



Open Source Used In Intelligent Node Manager 3.1.0 3.1.0

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Text Part Number: 78EE117C99-1106487042

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1.890 golang-lru 0.5.4

1.1 libjpeg 6b

1.1.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

1.1.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION

ROADMAP

=====

This file contains the following sections:

- OVERVIEW General description of JPEG and the IJG software.
- LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
- REFERENCES Where to learn more about JPEG.
- ARCHIVE LOCATIONS Where to find newer versions of this software.
- RELATED SOFTWARE Other stuff you should get.
- FILE FORMAT WARS Software *not* to get.
- TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

- install.doc How to configure and install the IJG software.
- usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
- *.1 Unix-style man pages for programs (same info as usage.doc).
- wizard.doc Advanced usage instructions for JPEG wizards only.
- change.log Version-to-version change highlights.

Programmer and internal documentation:

- libjpeg.doc How to use the JPEG library in your own programs.
- example.c Sample code for calling the JPEG library.
- structure.doc Overview of the JPEG library's internal structure.
- filelist.doc Road map of IJG files.
- coderrules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We

highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C

code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The

JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation

scheme

found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from [ftp.sgi.com](ftp://ftp.sgi.com) or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](ftp://ftp.uu.net/graphics/jpeg/). This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups [comp.graphics.misc](news:comp.graphics.misc), [news.answers](news:news.answers), and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other [news.answers](news:news.answers) archive sites, including the official [news.answers](news:news.answers) archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
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RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites,

notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>.

Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read.

(For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear

whether

SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.2 apache-log4j 1.2.17

1.2.1 Available under license :

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1.3 commons-beanutils 1.8.3

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1.5 httpcomponents-client 4.2.5

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1.6 thrift 0.9.2

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1.9 taglibs-standard 1.2.5

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* /opt/cola/permits/161783929_1651084162.18/0/httpcomponents-client-4-5-1-zip/httpcomponents-client-4.5.1.pom

1.11 cassandra 3.11.0

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=====

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This package was debianized by Eric Evans <eevans@apache.org> on
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Upstream Author: Cassandra Developers <cassandra-dev@incubator.apache.org>

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*/
package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;

import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating
 * the set of possible permissions that an authenticated user can have on a resource.
 *
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */
public enum Permission
{
    @Deprecated
    READ,
    @Deprecated
    WRITE,

    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSPACE and CREATE TABLE.
    // ALTER KEYSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on
the
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    //
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or
on specific role-level resources.
    CREATE,
    ALTER,
    DROP,

    // data access
    SELECT, // required for SELECT on a table
    MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

```

```
// permission management
AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.

DESCRIBE, // required on the root-level RoleResource to list all Roles

// UDF permissions
EXECUTE; // required to invoke any user defined function or aggregate

public static final Set<Permission> ALL =
    Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
public static final Set<Permission> NONE = ImmutableSet.of();
}
```

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Any executables

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That's all there is to it!
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compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h

compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrift.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
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lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift

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1.15 guava 24.1.1-jre

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/*
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*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
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*/
```

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- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/cache/LongAdder.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/LongAdder.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/Striped64.java

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- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/eventbus/SubscriberRegistry.java
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- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/math/Quantiles.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/MoreObjects.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ListenerCallQueue.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/ImmutableLongArray.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingLock.java

```
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/AbstractHashFunction.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler
wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/
```

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Found in path(s):
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jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
*

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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/Futures.java
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```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/Cache.java
```

```
*
```

```
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Absent.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/HashingOutputStream.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Murmur3_128HashFunction.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/ForwardingLoadingCache.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/UnsignedLong.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/BloomFilterStrategies.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
```

jar/com/google/common/primitives/UnsignedLongs.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Funnels.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Queues.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/CacheLoader.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/Types.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Present.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Optional.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TreeRangeSet.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/net/MediaType.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Funnel.java

```

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularContiguousSet.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/LongMath.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/AbstractStreamingHasher.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/IntMath.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-

```

```

jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/RemovalListener.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Enums.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/BigIntegerMath.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingExecutorService.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/ForwardingCache.java

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```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/ImmutableSupplier.java
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```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
```

```

jar/com/google/common/collect/ImmutableSortedMap.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedSet.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ComputationException.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/graph/AbstractBaseGraph.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/graph/Traverser.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/graph/BaseGraph.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/eventbus/AllowConcurrentEvents.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/Files.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Functions.java

*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Interners.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/LittleEndianDataInputStream.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/FinalizableWeakReference.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Preconditions.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/Closeables.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-


```

jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/LineBuffer.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Supplier.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Defaults.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/AbstractIterator.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Charsets.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/LineReader.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/FinalizableReference.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Predicates.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Equivalence.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/Monitor.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Strings.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/package-info.java
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- * This following method is a modified version of one found in
- * <http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30>
- * which contained the following notice:
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jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TopKSelector.java
*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/Network.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MutableNetwork.java
*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/PredecessorsFunction.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/MacHashFunction.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/AggregateFutureState.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/LittleEndianByteArray.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/CombinedFuture.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/ReaderInputStream.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/ByteArrayDataOutput.java

*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/UrlEscapers.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/UnsignedBytes.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/cache/LocalCache.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/Callables.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/RegularImmutableTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/InternetDomainName.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/CharSequenceReader.java
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/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Verify.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/HashingInputStream.java
*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/eventbus/SubscriberExceptionHandler.java

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```
*
* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
* java.util.HashMap
class.
*/
```

Found in path(s):

```
*/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/Striped.java
```

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*/
/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
*
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* hereby
disclaims copyright to this source code.
*/
```

Found in path(s):

```
*/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Hashing.java
```

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/MultimapBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/MoreFiles.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableMapEntry.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/LinkedHashMapMultimapGwtSerializationDependencies.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Comparators.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ConfigurableMutableValueGraph.java

```

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ConfigurableValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/MoreCollectors.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/GraphBuilder.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ForwardingValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ConfigurableMutableNetwork.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ConfigurableNetwork.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ConfigurableMutableGraph.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/EdgesConnecting.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/UndirectedNetworkConnections.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CollectCollectors.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-

```

```

jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
*
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/GraphConstants.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/DirectedNetworkConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
*
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/graph/package-info.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/RowSortedTable.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ForwardingSetMultimap.java

*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/SortedMapDifference.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ForwardingSortedSetMultimap.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/UnmodifiableListIterator.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ForwardingListMultimap.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableCollection.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/MinMaxPriorityQueue.java

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jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/GeneralRange.java
*
 /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractRangeSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Count.java
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- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ForwardingMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Interner.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Multisets.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableSet.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/AbstractListMultimap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ReverseOrdering.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/NaturalOrdering.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/RegularImmutableSet.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/CompoundOrdering.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/TreeMultiset.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/NullsFirstOrdering.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/LinkedListMultimap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ListMultimap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Ordering.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/LinkedHashMultiset.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/package-info.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Synchronized.java


```

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/NullsLastOrdering.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Maps.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Lists.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/EnumHashMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/HashMultiset.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ComparatorOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingMultimap.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-

```

```

jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ConcurrentHashMultiset.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Sets.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Multiset.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractBiMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/EnumBiMap.java

```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingList.java
```

```
*
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```
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingSet.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AtomicLongMap.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/GwtTransient.java
```

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/WellBehavedMap.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedAsList.java
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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CompactLinkedHashMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/UnmodifiableSortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CompactHashMap.java
*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingNavigableMap.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableMap.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AllEqualOrdering.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingNavigableSet.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredKeySetMultimap.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractMultimap.java

```

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/EvictingQueue.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedMultisetBridge.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractNavigableMap.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RangeMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/DescendingImmutableSortedSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingDeque.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TreeTraverser.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredKeyListMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableEnumMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CompactLinkedHashSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-

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jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java

*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/FilteredSetMultimap.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/Ints.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java

*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Stopwatch.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/MultiReader.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/escape/Escaper.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/Booleans.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/escape/UnicodeEscaper.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/primitives/Bytes.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractCheckedFuture.java

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/Joiner.java

*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/CheckedFuture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/Converter.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/thirdparty/publicsuffix/TrieParser.java
*

/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/primitives/Doubles.java

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*/

/**

* Returns an array containing all of the elements in the specified collection. This method

* returns the elements in the order they are returned by the collection's iterator. The returned

* array is "safe" in that no references to it are maintained by the collection. The caller is

* thus free to modify the returned

array.

*

* <p>This method assumes that the collection size doesn't change while the method is running.

*

* <p>TODO(kevinb): support concurrently modified collections?

*

* @param c the collection for which to return an array of elements

*/

Found in path(s):

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ObjectArrays.java

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Found in path(s):

- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/StandardRowSortedTable.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/RegularImmutableBiMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableSortedSet.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableEntry.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/StandardTable.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableBiMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Tables.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/CollectPreconditions.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/HashBasedTable.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Platform.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableMultiset.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Range.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableCollection.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Serialization.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/ImmutableMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Collections2.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/Table.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/RegularImmutableMap.java
- *

```
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/UnmodifiableIterator.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableMapValues.java
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```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/IndexedImmutableSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableBiMap.java
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 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in { @code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type { @code Comparable}
 * to use { @link
 *   ImmutableSortedMap#of(Comparable, Object)}.</b>
 */
```

Found in path(s):

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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Found in path(s):

```
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
```

jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/PatternCompiler.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/base/JdkPattern.java

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* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedMultiset.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/SortedMultisets.java

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- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/FileWriteMode.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/ClassPath.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/math/PairedStats.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/escape/package-info.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/ByteSource.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/CharSource.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/Parameter.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/Invokable.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/CharSink.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/package-info.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/RateLimiter.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/xml/package-info.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/math/StatsAccumulator.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/base/StandardSystemProperty.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/collect/FilteredKeyMultimap.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/io/BaseEncoding.java
- *
- /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/AbstractByteHasher.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/util/concurrent/ServiceManager.java
- * /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-jar/com/google/common/hash/LongAddable.java

```

* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableRangeSet.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/TypeToInstanceMap.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/Element.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/math/Stats.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/io/Closer.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/util/concurrent/SmoothRateLimiter.java
*
/opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/LongAddables.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/html/package-info.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/180157995_1695363832.4488924/0/guava-24-1-1-jre-sources-
jar/com/google/common/hash/ChecksumHashFunction.java

```

1.16 adduser 3.116ubuntu1

1.16.1 Available under license :

This package was first put together by Ian Murdock
<imurdock@debian.org> and was maintained by Steve Phillips
<sjp@cvfn.org> from sources written for the Debian Project by Ian

Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph <sr1@inf.tu-dresden.de>.

Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>.

Since March 24 2004, it is maintained by Roland Bauerschmidt <rb@debian.org>, and co-maintained by Marc Haber <mh+debian-packages@zugschlus.de>

Since 23 Oct 2005, it has been maintained by Joerg Hoh <joerg@joerghoh.de>

Since June 2006, it has been maintained by Stephen Gran <sgran@debian.org>

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1.17 audit 2.8.2-1ubuntu1

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1.18 base-files 10.1ubuntu2.3

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General

Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany

it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse

engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot

use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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Version 2.1, February 1999

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be

introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating

system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be

reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public

License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not

compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one

of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
This program is distributed  
in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
GNU General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA
```

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w` and `show c` should show the appropriate parts of the General Public License.

Of course, the commands you use may be called something other than `show w` and `show c`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

Apache License
Version 2.0, January 2004
<http://www.apache.org/licenses/>

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Version 3, 29 June 2007

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

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1.20 coreutils 8.28-1ubuntu1

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This debian package was first created by Michael Stone <mstone@debian.org>, from coreutils 4.5.1.

Changes:

- * added Debian GNU/Linux package maintenance system files
- * at times, bug fixes awaiting inclusion in the upstream source

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GNUPG Natural Resources Canada 1998-08-11

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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

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past and future changes. (new: src/libgrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
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mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/texp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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Files: gnulib-m4/* m4/*.m4

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Files: m4/init-package-version.m4

build-aux/ltmain.sh

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1.25 Isb 9.20170808ubuntu1

1.25.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: LSB implementation package

Files: *

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Files: init-functions

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1.26 mawk 1.3.3-17ubuntu3

1.27 sysv-init 2.88dsf-59.10ubuntu1

1.27.1 Available under license :

This package contains the mechanism for executing the right scripts
in the right order at bootup/shutdown time, and when changing runlevels.
It works through managing symlinks in /etc/rc?.d

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Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com>

from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site: ftp.cistron.nl/pub/people/miquels/software
92K sysvinit-2.86.tar.gz

Alternate-Site: sunsite.unc.edu/pub/Linux/system/daemons/init
92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

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The of the start-stop-daemon:

- * A rewrite of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>.
- * public domain.

1.28 zlib 1.2.11.dfsg-0ubuntu2

1.28.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Files-Excluded:

contrib/ada
contrib/amd64
contrib/asm686
contrib/blast
contrib/delphi
contrib/dotzlib
contrib/gcc_gvmat64
contrib/infbck9
contrib/inflate86
contrib/iostream
contrib/iostream2
contrib/iostream3
contrib/masmx64
contrib/masmx86
contrib/pascal
contrib/puff
contrib/testzlib
contrib/untgz
contrib/vstudio
doc/rfc*

This is the pre-packaged Debian Linux version of the zlib compression library. It was packaged by Michael Alan Dorman <mdorman@debian.org> from sources originally retrieved from <ftp.uu.net> in the directory `/pub/archiving/zip/zlib` as the file `zlib-1.0.4.tar.gz`.

There is a homepage at <http://www.gzip.org/zlib/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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Jean-loup Gailly Mark Adler
jloup@gzip.org
madler@alumni.caltech.edu

1.29 zstd 1.3.3+dfsg-2ubuntu1

1.29.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Zstd

Source: <https://github.com/facebook/zstd>

Files-Excluded: appveyor.yml

circle.yml

build/*

programs/windres/*

.travis.yml

.buckversion

.buckconfig

Files: *

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Files: zlibWrapper/examples/*.c

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Files: zlibWrapper/gz*.c

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Files: lib/dictBuilder/divsufsort.*

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1.30 gnutls 3.5.18-1ubuntu1

1.30.1 Available under license :

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It was downloaded from <ftp://ftp.gnutls.org/gcrypt/gnutls/>

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finished client-side TLS 1.2 support.

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Redesign and implementation of the buffering layer.
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TLS Fallback SCSV support (RFC7507).

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lib/extras/randomart.*

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lib/accelerated/x86/elf/aes-ssse3-x86.s

lib/accelerated/x86/macosx/aes-ssse3-x86.s

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=====
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Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/*, since we have a working
vasprintf() in glibc.

lib/extras/hex.*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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doc/examples/tlsproxy/

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tests/pkcs11/pkcs11-mock.*

Author: Jaroslav Imrich <jimrich@jimrich.sk>

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lib/unistring/*

Author: Bruno Haible <bruno@clisp.org>

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Comment: Debian package is built against libunistring-dev package.

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1.31 pam 1.3.0-r0

1.32 hazelcast 3.11

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*/
```

```
package com.hazelcast.security.permission;
```

```
public class ExecutorServicePermission extends InstancePermission {
```

```
    private static final int ALL = CREATE | DESTROY;
```

```
    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }
}
```

```
    @Override
```

```
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String
action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
```

```
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```
package com.hazelcast.security.permission;
```

```
public class QueuePermission extends InstancePermission {
```

```
    private static final int ADD = 4;
```

```
    private static final int READ = 8;
```

```
    private static final int REMOVE = 16;
```

```
    private static final int LISTEN = 32;
```

```
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;
```

```
    public QueuePermission(String  
name, String... actions) {  
        super(name, actions);  
    }  
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
```

```
    int mask = NONE;
```

```
    for (String action : actions) {
```

```
        if (ActionConstants.ACTION_ALL.equals(action)) {
```

```
            return ALL;
```

```
        }
```

```
        if (ActionConstants.ACTION_CREATE.equals(action)) {
```

```
            mask |= CREATE;
```

```
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
```

```
            mask |= DESTROY;
```

```
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
```

```
            mask |= ADD;
```

```
        } else if (ActionConstants.ACTION_READ.equals(action)) {
```

```
            mask |= READ;
```

```
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
```

```
            mask |= REMOVE;
```

```
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
```

```
            mask |= LISTEN;
```

```
        }
```

```
    }
```

```
    return mask;
```

```
    }
```

```
    }
```

```
    /*
```

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- */

```
package com.hazelcast.security.permission;
```

```
public class ReplicatedMapPermission extends InstancePermission {
```

```
    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final
    int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
    INTERCEPT;
```

```
    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }
```

```
@Override
```

```
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
}
```

```

    } else if (ActionConstants.ACTION_LISTEN.equals(action))
    {
        mask |= LISTEN;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_INDEX.equals(action)) {
        mask |= INDEX;
    } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
        mask |= INTERCEPT;
    }
    }
    return mask;
}
}
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 */

```

```
package com.hazelcast.security.permission;
```

```
public class FlakeIdGeneratorPermission extends InstancePermission {
```

```
    private static final int MODIFY = 4;
```

```
    private static final int ALL = MODIFY | CREATE | DESTROY;
```

```
    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

```

```
    @Override
```

```
    protected int initMask(String[]
actions) {
```

```
        int mask = NONE;
```

```
        for (String action : actions) {
```

```
            if (ActionConstants.ACTION_ALL.equals(action)) {
```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}
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```

```
package com.hazelcast.security.permission;
```

```
public class CardinalityEstimatorPermission extends InstancePermission {
```

```
    private static final int READ = 4;
```

```
    private static final int MODIFY = 8;
```

```
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;
```

```
    public CardinalityEstimatorPermission(String name, String... actions) {  
        super(name, actions);  
    }  
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
```

```
    int mask = NONE;
```

```
    for (String action : actions) {
```

```
        if (ActionConstants.ACTION_ALL.equals(action)) {
```

```
            return ALL;
```

```
        }  
  
        if (ActionConstants.ACTION_CREATE.equals(action)) {
```

```
            mask |= CREATE;
```

```
        } else if (ActionConstants.ACTION_READ.equals(action)) {
```

```
            mask |= READ;
```

```
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
```

```
            mask |= MODIFY;
```

```
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
```

```
            mask |= DESTROY;
```

```
        }  
    }  
    return mask;  
}
```

```
    }
```

```
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```

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*/
```

```
package com.hazelcast.security.permission;
```

```
public class SetPermission extends ListPermission {
```

```
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}
```

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```
*/
```

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
```

```
public class UserCodeDeploymentPermission extends InstancePermission {
```

```
    private static final int DEPLOY = 4;
```

```
    private static final int ALL = DEPLOY;
```

```
    public UserCodeDeploymentPermission(String... actions) {
        super(UserCodeDeploymentService.SERVICE_NAME,
actions);
    }
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
```

```

int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
        mask |= DEPLOY;
    }
}
return mask;
}
}
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*/

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {

```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
    }
}

```

```

    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
}
return mask;
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashCode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new
ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {

```



```

if (hashCode == 0) {
    final int prime = 31;
    int result = 1;
    if (getName() == null) {
        result = prime * result + 13;
    } else {
        result = prime * result + getName().hashCode();
    }
    hashCode = result;
}
return hashCode;
}

```

@Override

```

public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}
}

```

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```

*/

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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*/
```

```
package com.hazelcast.security.permission;
```

```
public class PNCounterPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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*/
```

```
/**
```

```
* Contains Hazelcast client permissions.
```

```
*
```

```
* @see com.hazelcast.security.jsm
```

```
*/
```

```
package com.hazelcast.security.permission;
```

```
/*
```

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```
*/
```

```
package com.hazelcast.security.permission;
```

```
public class ListPermission extends InstancePermission {
```

```
    private static final int ADD = 4;
```

```
    private static final int READ = 8;
```

```
    private static final int REMOVE = 16;
```

```
    private static final int LISTEN = 32;
```

```
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;
```

```
    public ListPermission(String
```

```
name, String... actions) {
```

```
        super(name, actions);
```

```
}
```

```
@Override
```

```
protected int initMask(String[] actions) {
```

```
    int mask = NONE;
```

```
    for (String action : actions) {
```

```
        if (ActionConstants.ACTION_ALL.equals(action)) {
```

```

        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

import org.junit.Test;

/**
 * Abstract Permission Tests.
 */
public abstract class AbstractGenericPermissionTest
    extends PermissionTestSupport {

    @Test
    public void checkReadPermission() {

```

```

    new CheckPermission().of("read").against("read").expect(true).run();
}

@Test
public void checkReadPermission_whenAll()
{
    new CheckPermission().of("read").against("all").expect(true).run();
}

@Test
public void checkReadPermission_whenOnlyCreateAllowed() {
    new CheckPermission().of("read").against("create").expect(false).run();
}

@Test
public void checkModifyPermission() {
    new CheckPermission().of("modify").against("modify").expect(true).run();
}

@Test
public void checkModifyPermission_whenAll() {
    new CheckPermission().of("modify").against("all").expect(true).run();
}

@Test
public void checkModifyPermission_whenOnlyReadAllowed() {
    new CheckPermission().of("modify").against("read").expect(false).run();
}

@Test
public void checkModifyPermission_whenOnlyReadAndCreateAllowed() {
    new CheckPermission().of("modify").against("read", "create").expect(false).run();
}

@Test
public void checkModifyPermission_whenOnlyReadCreateAndDeleteAllowed() {
    new CheckPermission().of("modify").against("read",
"create", "delete").expect(false).run();
}

@Test
public void checkCreatePermission() {
    new CheckPermission().of("create").against("create").expect(true).run();
}

@Test

```

```

public void checkCreatePermission_whenAll() {
    new CheckPermission().of("create").against("all").expect(true).run();
}

@Test
public void checkCreatePermission_whenOnlyReadAllowed() {
    new CheckPermission().of("create").against("read").expect(false).run();
}

@Test
public void checkDestroyPermission() {
    new CheckPermission().of("destroy").against("destroy").expect(true).run();
}

@Test
public void checkDestroyPermission_whenAll() {
    new CheckPermission().of("destroy").against("all").expect(true).run();
}

@Test
public void checkDestroyPermission_whenOnlyReadAllowed() {
    new CheckPermission().of("destroy").against("read").expect(false).run();
}
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.test.HazelcastSerialClassRunner;
import com.hazelcast.test.annotation.QuickTest;
import org.junit.experimental.categories.Category;
import org.junit.runner.RunWith;

```

```

import java.security.Permission;

@RunWith(HazelcastSerialClassRunner.class)
@Category(QuickTest.class)
public class CardinalityEstimatorPermissionTest
extends AbstractGenericPermissionTest {

    @Override
    protected Permission createPermission(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;
    protected static final int DESTROY =
2;

    private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();

```



```

protected final int mask;
protected final String actions;

public InstancePermission(String name, String... actions) {
    super(name);
    if (name == null || "".equals(name)) {
        throw new IllegalArgumentException("Permission name is mandatory!");
    }
    mask = initMask(actions);

    final StringBuilder s = new StringBuilder();
    for (String action : actions) {
        s.append(action).append(" ");
    }
    // trim the trailing space
    if (s.length() > 0) {
        s.setLength(s.length() - 1);
    }
    this.actions = s.toString();
}

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }

    InstancePermission that = (InstancePermission) permission;

    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

```

```

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName()))
{
    return false;
}
    if (mask != other.mask) {
        return false;
    }
    return true;
}
}

```

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*/

```

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[]
actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
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```

```

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*/

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String
name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
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*/

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.test.HazelcastSerialClassRunner;  
import com.hazelcast.test.annotation.QuickTest;  
import org.junit.experimental.categories.Category;  
import org.junit.runner.RunWith;
```

```
import java.security.Permission;
```

```
@RunWith(HazelcastSerialClassRunner.class)  
@Category(QuickTest.class)  
public class CachePermissionTest extends  
AbstractMapPermissionTest {
```

```
    @Override  
    protected String[] getActions() {  
        return new String[]{  
            "put",  
            "read",  
            "remove",  
            "listen",  
            "create",  
            "destroy",  
        };  
    }  
}
```

```
    @Override  
    protected Permission createPermission(String name, String... actions) {  
        return new CachePermission(name, actions);  
    }  
}  
/*
```

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*/
```

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.test.HazelcastSerialClassRunner;
import com.hazelcast.test.annotation.QuickTest;
import org.junit.Test;
import org.junit.experimental.categories.Category;
import org.junit.runner.RunWith;
```

```
import java.security.Permission;
```

```
@RunWith(HazelcastSerialClassRunner.class)
```

```
@Category(QuickTest.class)
```

```
public class UserCodeDeploymentPermissionTest
```

```
extends PermissionTestSupport {
```

```
    @Override
```

```
    protected Permission createPermission(String name, String... actions) {
```

```
        return new UserCodeDeploymentPermission(actions);
```

```
    }
```

```
    @Test
```

```
    public void checkDeployPermission_whenAll() {
```

```
        new CheckPermission().of("deploy").against("deploy").expect(true).run();
```

```
    }
```

```
    @Test
```

```
    public void checkDeployPermission() {
```

```
        new CheckPermission().of("deploy").against("all").expect(true).run();
```

```
    }
```

```
    @Test
```

```
    public void checkAllPermission_whenDeploy() {
```

```
        new CheckPermission().of("all").against("deploy").expect(true).run();
```

```
    }
```

```
    }
```

```
    /*
```

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*/

```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;
```

```
public class ClusterPermissionCollection extends PermissionCollection {
```

```
    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;
```

```
    public ClusterPermissionCollection() {
        permClass = null;
    }
```

```
    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }
```

```
    @Override
```

```
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

```

```

}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection)
permissions).perms) {
            add(p);
        }
    }
}

@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements()

```



```

{
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "];"
}
}

```

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*/

package com.hazelcast.security.permission;

```

import java.security.Permission;

/**
 *
 */
public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return CONFIG_PERMISSION_ACTIONS;
    }
}

```

The packages:

```

com.hazelcast.util.collection
com.hazelcast.internal.util.concurrent

```

and the classes:

```

com.hazelcast.util.QuickMath
com.hazelcast.client.impl.protocol.util.UnsafeBuffer
com.hazelcast.client.impl.protocol.util.BufferBuilder

```

contain code originating from the Agrona project
(<https://github.com/real-logic/Agrona>).

The class `com.hazelcast.util.HashUtil` contains code originating
from the Koloboke project (<https://github.com/OpenHFT/Koloboke>).

The class `classloading.ThreadLocalLeakTestUtils` contains code originating
from the Tomcat project (<https://github.com/apache/tomcat>).

`com.hazelcast.internal.cluster.fd.PhiAccrualFailureDetector` contains code originating
from the Akka project (<https://github.com/akka/akka/>).

The package com.hazelcast.internal.json contains code originating from minimal-json project (<https://github.com/ralfstx/minimal-json>).

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*/

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
```

```
public class TransactionPermission extends ClusterPermission {
```

```
    public TransactionPermission() {
```

```
        super("<transaction>");
```

```
    }
```

```
    @Override
```

```
    public boolean implies(Permission permission) {
```

```
        return getClass() == permission.getClass();
```

```
    }
```

```
    @Override
```

```
    public String
```

```
    getActions() {
```

```
        return "transaction";
```

```
    }
```

```
}
```

```
/*
```

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- */

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.test.HazelcastSerialClassRunner;
import com.hazelcast.test.annotation.QuickTest;
import org.junit.Test;
import org.junit.experimental.categories.Category;
import org.junit.runner.RunWith;
```

```
import java.security.Permission;
```

```
@RunWith(HazelcastSerialClassRunner.class)
```

```
@Category(QuickTest.class)
```

```
public class MapPermissionTest
    extends AbstractMapPermissionTest {
```

```
    @Override
```

```
    protected String[] getActions() {
```

```
        return new String[]{
```

```
            "put",
```

```
            "read",
```

```
            "remove",
```

```
            "listen",
```

```
            "lock",
```

```
            "index",
```

```
            "intercept",
```

```
            "create",
```

```
            "destroy",
```

```
        };
```

```
    }
```

```
    @Override
```

```
    protected Permission createPermission(String name, String... actions) {
```

```
        return new MapPermission(name, actions);
```

```
    }
```

```
    @Test
```

```
    public void willReturnFalseForNoPermOnIndex() {
```

```
        new CheckPermission().of("index").against("read", "create", "put", "intercept").expect(false).run();
```

```
    }
```

```
}
```


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*/

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
```

```
import static org.junit.Assert.assertEquals;
```

```
import static org.junit.Assert.fail;
```

```
public abstract class PermissionTestSupport {
```

```
    protected abstract Permission createPermission(String name, String... actions);
```

```
    protected class CheckPermission {
```

```

private static final String DEFAULT_ALLOWED_NAME
= "someMapsPermission";
private static final String DEFAULT_REQUESTED_NAME = "someMapsPermission";

private String requested;
private String[] allowed;
private Boolean expectedResult;
private String allowedName = DEFAULT_ALLOWED_NAME;
private String requestedName = DEFAULT_REQUESTED_NAME;

CheckPermission withRequestedName(String requestedName) {
    this.requestedName = requestedName;
    return this;
}

CheckPermission withAllowedName(String allowedName) {
    this.allowedName = allowedName;
    return this;
}

CheckPermission of(String requested) {
    this.requested = requested;
    return this;
}

CheckPermission against(String... allowed) {
    this.allowed = allowed;
    return this;
}

CheckPermission expect(boolean expectedResult) {
    this.expectedResult = expectedResult;
    return this;
}

void run() {
    if (requested != null && allowed != null && expectedResult != null) {
        Permission allowedPermissions = createPermission(allowedName, allowed);
        Permission requestedPermission = createPermission(requestedName, requested);

        boolean actualResult = allowedPermissions.implies(requestedPermission);

        assertEquals("Access applied incorrectly for requested action of " + requestedPermission
            + " on permitted permissions of " + allowedPermissions, expectedResult, actualResult);
    } else {
        fail("Requested and/or allowed and/or expect not set");
    }
}
}

```

```

    }

}
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 */

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[]
actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

```

```

    }
}
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 */

```

```
package com.hazelcast.security.permission;
```

```

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
    }
}

```

```

        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.ICacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import
    com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.test.HazelcastSerialClassRunner;
import com.hazelcast.test.annotation.QuickTest;
import com.hazelcast.topic.impl.TopicService;
import org.junit.Test;
import org.junit.experimental.categories.Category;
import org.junit.runner.RunWith;

```

```

import java.security.Permission;

import static org.junit.Assert.assertNotNull;
import static org.junit.Assert.assertTrue;

@RunWith(HazelcastSerialClassRunner.class)
@Category(QuickTest.class)
public
class ActionConstantsTest {

    @Test(expected = IllegalArgumentException.class)
    public void getPermission_whenNonExistingService() {
        ActionConstants.getPermission("foo", "idon'texist");
    }

    @Test
    public void getPermission_Map() {
        Permission permission = ActionConstants.getPermission("foo", MapService.SERVICE_NAME);

        assertNotNull(permission);
        assertTrue(permission instanceof MapPermission);
    }

    @Test
    public void getPermission_Cache() {
        Permission permission = ActionConstants.getPermission("foo", ICacheService.SERVICE_NAME);

        assertNotNull(permission);
        assertTrue(permission instanceof CachePermission);
    }

    @Test
    public void getPermission_MultiMap() {
        Permission permission = ActionConstants.getPermission("foo", MultiMapService.SERVICE_NAME);

        assertNotNull(permission);
        assertTrue(permission instanceof MultiMapPermission);
    }

    @Test
    public void getPermission_List() {
        Permission permission = ActionConstants.getPermission("foo", ListService.SERVICE_NAME);

        assertNotNull(permission);
        assertTrue(permission instanceof ListPermission);
    }
}

```

```

@Test
public void getPermission_Set() {
    Permission permission = ActionConstants.getPermission("foo", SetService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof SetPermission);
}

@Test
public void getPermission_AtomicLong() {
    Permission permission = ActionConstants.getPermission("foo", AtomicLongService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof AtomicLongPermission);
}

@Test
public void getPermission_Semaphore() {
    Permission permission = ActionConstants.getPermission("foo", SemaphoreService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof SemaphorePermission);
}

@Test
public void getPermission_Topic() {
    Permission permission = ActionConstants.getPermission("foo", TopicService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof TopicPermission);
}

@Test
public void getPermission_Lock() {
    Permission permission = ActionConstants.getPermission("foo", LockService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof LockPermission);
}

@Test
public void getPermission_DistributedExecutor() {
    Permission permission = ActionConstants.getPermission("foo",
DistributedExecutorService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof ExecutorServicePermission);
}

```

```

}

@Test
public void getPermission_IdGenerator() {
    Permission permission = ActionConstants.getPermission("foo", IdGeneratorService.SERVICE_NAME);

    assertNotNull(permission);

    assertTrue(permission instanceof AtomicLongPermission);
}

@Test
public void getPermission_FlakeIdGenerator() {
    Permission permission = ActionConstants.getPermission("foo", FlakeIdGeneratorService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof FlakeIdGeneratorPermission);
}

@Test
public void getPermission_MapReduce() {
    Permission permission = ActionConstants.getPermission("foo", MapReduceService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof MapReducePermission);
}

@Test
public void getPermission_ReplicatedMap() {
    Permission permission = ActionConstants.getPermission("foo", ReplicatedMapService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof ReplicatedMapPermission);
}

@Test
public void getPermission_AtomicReference() {
    Permission permission = ActionConstants.getPermission("foo",
AtomicReferenceService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof AtomicReferencePermission);
}

@Test
public void getPermission_CountdownLatch() {
    Permission permission = ActionConstants.getPermission("foo", CountdownLatchService.SERVICE_NAME);

```



```

    assertNotNull(permission);
    assertTrue(permission instanceof CountdownLatchPermission);
}

@Test
public void getPermission_Queue() {
    Permission permission = ActionConstants.getPermission("foo", QueueService.SERVICE_NAME);

    assertNotNull(permission);
    assertTrue(permission instanceof QueuePermission);
}
}
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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }
}

```

```

}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {

```

```

return new Enumeration<Permission>() {
    boolean more = all;

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public Permission nextElement() {
        more = false;
        return ALL_PERMISSIONS;
    }
};
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
}
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*/
```

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.test.HazelcastSerialClassRunner;
import com.hazelcast.test.annotation.QuickTest;
import org.junit.experimental.categories.Category;
import org.junit.runner.RunWith;
```

```
import java.security.Permission;
```

```
@RunWith(HazelcastSerialClassRunner.class)
@Category(QuickTest.class)
public class ScheduledExecutorPermissionTest
    extends AbstractGenericPermissionTest {

    @Override
    protected Permission createPermission(String name, String... actions) {
        return new ScheduledExecutorPermission(name, actions);
    }
}
```

```
/*
```

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```

```
package com.hazelcast.security.permission;
```

```

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected
    int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
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 */

```

```

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

```

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*/

```
package com.hazelcast.security.permission;
```

```
public class TopicPermission extends InstancePermission {
```

```
    private static final int PUBLISH = 4;
```

```
    private static final int LISTEN = 8;
```

```
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;
```

```
    public TopicPermission(String name, String... actions) {
```

```
        super(name, actions);
```

```
    }
```

```
    @Override
```

```
    protected int initMask(String[] actions) {
```

```
        int mask = NONE;
```

```
        for (String action : actions) {
```

```
            if (ActionConstants.ACTION_ALL.equals(action)) {
```

```
                return ALL;
```

```
            }
```

```
            if (ActionConstants.ACTION_CREATE.equals(action)) {
```

```
                mask |= CREATE;
```

```
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
```

```

        mask |= PUBLISH;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}
}
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 */

```

```
package com.hazelcast.security.permission;
```

```
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;
```

```
public class DenyAllPermissionCollection extends PermissionCollection {
```

```
    public DenyAllPermissionCollection() {
    }

```

```
    @Override
    public void add(Permission permission) {
    }

```

```
    @Override
    public boolean implies(Permission
permission) {
        return false;
    }

```

```
    @Override

```



```

public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}
}

```

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```

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 */

```

```
package com.hazelcast.security.permission;
```

```
public class MapPermission extends InstancePermission {
```

```

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT
= 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX |
INTERCEPT;

```

```

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

```

```
@Override
```

```

protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {

```

```

        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action))
    {
        mask |= LISTEN;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_INDEX.equals(action)) {
        mask |= INDEX;
    } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
        mask |= INTERCEPT;
    }
    }
    return mask;
}
}
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 */

package com.hazelcast.security.permission;

import org.junit.Test;

/**
 * Abstract Map Permission Tests.
 */
public abstract class AbstractMapPermissionTest
    extends PermissionTestSupport {

    protected abstract String[] getActions();

    @Test

```

```

public void willReturnFalseForNoPermOnPut() {
    new CheckPermission().of("put").against("read", "create").expect(false).run();
}

@Test
public void willReturnFalseForNoPermOnListen() {
    new CheckPermission().of("listen").against("read", "create", "put").expect(false).run();
}

@Test
public void willReturnTrueForPermOnPutOn() {
    new CheckPermission().of("put").against("put", "read", "create").expect(true).run();
}

@Test
public void willReturnTrueForPermOnAll() {
    new CheckPermission().of("put").against("all").expect(true).run();
}

@Test
public void willReturnTrueWhenNameUseMatchingWildcard() {
    new CheckPermission()
        .withAllowedName("myDataStructure.*")
        .withRequestedName("myDataStructure.foo")
        .of("put")
        .against(getActions())
        .expect(true).run();
}

@Test
public void willReturnFalseWhenNameUseNonNames() {
    new CheckPermission()
        .withAllowedName("myDataStructure")
        .withRequestedName("myOtherDataStructure")
        .of("put")
        .against(getActions())
        .expect(false).run();
}

}
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*/

```
package com.hazelcast.security.permission;
```

```
import com.hazelcast.cache.impl.CacheService;  
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;  
import com.hazelcast.collection.impl.list.ListService;  
import com.hazelcast.collection.impl.queue.QueueService;  
import com.hazelcast.collection.impl.set.SetService;  
import com.hazelcast.concurrent.atomiclong.AtomicLongService;  
import  
    com.hazelcast.concurrent.atomicreference.AtomicReferenceService;  
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;  
import com.hazelcast.concurrent.idgen.IdGeneratorService;  
import com.hazelcast.concurrent.lock.LockService;  
import com.hazelcast.concurrent.semaphore.SemaphoreService;  
import com.hazelcast.crdt.pncounter.PNCounterService;  
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;  
import com.hazelcast.executor.impl.DistributedExecutorService;  
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;  
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;  
import com.hazelcast.map.impl.MapService;  
import com.hazelcast.mapreduce.impl.MapReduceService;  
import com.hazelcast.multimap.impl.MultiMapService;  
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;  
import com.hazelcast.ringbuffer.impl.RingbufferService;  
import com.hazelcast.topic.impl.TopicService;
```

```
import java.security.Permission;
```

```
import  
    java.util.HashMap;  
import java.util.Map;
```

```
@SuppressWarnings({"checkstyle:executablestatementcount"})
```

```
public final class ActionConstants {
```

```
    public static final String ACTION_ALL = "all";  
    public static final String ACTION_CREATE = "create";  
    public static final String ACTION_DESTROY = "destroy";  
    public static final String ACTION_MODIFY = "modify";  
    public static final String ACTION_READ = "read";
```

```

public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";
public static
final String ACTION_AGGREGATE = "aggregate";
public static final String ACTION_PROJECTION = "projection";
public static final String ACTION_USER_CODE_DEPLOY = "deploy";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {

```

```

@Override
public Permission create(String name, String... actions) {
    return new SetPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
@Override
public Permission create(String name, String...
actions) {
    return new AtomicLongPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
@Override
public Permission create(String name, String... actions) {
    return new CountDownLatchPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
@Override
public Permission create(String name, String... actions) {
    return new SemaphorePermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
@Override
public Permission create(String name, String... actions) {
    return new TopicPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory()
{
@Override
public Permission create(String name, String... actions) {
    return new LockPermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
@Override
public Permission create(String name, String... actions) {
    return new ExecutorServicePermission(name, actions);
}
});
PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
@Override
public Permission create(String name, String... actions) {
    return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
}
});

```

```

    }
  });
  PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {

      return new FlakeIdGeneratorPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new MapReducePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new ReplicatedMapPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new AtomicReferencePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory()
  {
    @Override
    public Permission create(String name, String... actions) {
      return new CachePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new RingBufferPermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
      return new DurableExecutorServicePermission(name, actions);
    }
  });
  PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new

```

```

PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new
CardinalityEstimatorPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});
PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});
}

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no
service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

```

```

}
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 */

```

```
package com.hazelcast.security.permission;
```

```

public class CountdownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountdownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}

```

```
}  
}
```

1.33 commons-fileupload 1.4

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1.34 commons-compress 1.18

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1.35 also 1.1.3-5ubuntu0.2

1.36 apt 1.6.11

1.37 lz4 0.0~r131-2ubuntu3

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1.38 bzip2 1.0.6-8.1

1.39 expat 2.2.5-3ubuntu0.1

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1.40 zlib 1.2.8

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   version 1.2.11, January 15th, 2017
```

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1.41 logback-core 1.2.3

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1.42 okio 1.13.0

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/HashingSink.java
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*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Utf8.java
```

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ByteString.java

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Found in path(s):

* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/ForwardingTimeout.java

* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/SegmentedByteString.java

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* /opt/cola/permits/1000000590_1646171445.35/0/okio-1-13-0-sources-2-jar/okio/Base64.java

1.43 latencyutils 2.0.3

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1.44 resourcelocator 1.0.1

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* /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
 jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinderImpl.java
 * /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
 jar/org/glassfish/hk2/osgiresourcelocator/ServiceLoaderImpl.java
 * /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
 jar/org/glassfish/hk2/osgiresourcelocator/Activator.java
 * /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
 jar/org/glassfish/hk2/osgiresourcelocator/ServiceLoader.java
 * /opt/cola/permits/1000000713_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-
 jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinder.java

1.45 hdrhistogram 2.1.9

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* @author Gil Tene

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* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SingleWriterRecorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogProcessor.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/EncodableHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SynchronizedDoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/PercentileIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleAllValuesIterator.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/IntCountsHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramLogReader.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ConcurrentHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleHistogramIterationValue.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleRecorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/RecordedValuesIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogramLogReader.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoublePercentileIterator.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/AbstractHistogramIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/LogarithmicIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ZigZagEncoding.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/DoubleLinearIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/HistogramIterationValue.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/ConcurrentDoubleHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/SynchronizedHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-


```
jar/org/HdrHistogram/SingleWriterDoubleRecorder.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleLogarithmicIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AbstractHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Recorder.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/Version.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/Histogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AllValuesIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/LinearIterator.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/ShortCountsHistogram.java
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/AtomicHistogram.java
*
/opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/DoubleRecordedValuesIterator.java
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```

```
package org.HdrHistogram;
```

```
final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIME$";
}
```

Found in path(s):

```
* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/Version.java.template
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* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-
jar/org/HdrHistogram/WriterReaderPhaser.java
```

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```
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```

```
* package-info.java
```

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* /opt/cola/permits/1000000798_1646171445.44/0/hdrhistogram-2-1-9-sources-jar/org/HdrHistogram/package-
info.java
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1.46 bouncycastle-fips 1.0.1

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1.47 libxext 1.3.3-1

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1.48 websocket 1.1.FR

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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/META-INF/maven/javax.websocket/javax.websocket-api/pom.xml

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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/EncodingException.java

* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/ContainerProvider.java

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/opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnClose.java

* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/ServerEndpointConfig.java

* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/DefaultClientEndpointConfig.java

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jar/javax/websocket/server/ServerApplicationConfig.java
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1.49 libxau 1.0.8-1

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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1.52 debianutils 4.8.4

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1.53 findutils 4.6.0+git+20170828-2

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Version 3, 29 June 2007

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```

1.54 c3p0 0.9.1.1

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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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*/

Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```

```
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```

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```
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```

```
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```

```
Ty Coon, President of Vice
```

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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```
#  
# This is a Makefile stub which handles the creation of BSD shared  
# libraries.  
#  
# In order to use this stub, the following makefile variables must be defined.  
#  
# BSDLIB_VERSION = 1.0  
# BSDLIB_IMAGE = libce  
# BSDLIB_MYDIR = et  
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)  
#
```

```
all:: image
```

```
real-subdirs:: Makefile
```

```
@echo " MKDIR pic"
```

```
@mkdir -p pic
```

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

```
BSDLIB_PIC_FLAG = -fpic
```

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'/$$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

```
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Theodore Ts'o
23-June-2007

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That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.57 libsepol 2.7-1

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1.58 sed 4.4-2

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1.64 patch 2.7.6-2ubuntu1

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1.65 shadow 4.5-1ubuntu2

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1.66 python 3.6.7-1~18.04

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=====

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principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.2 and above	2.1.1	2001-now	PSF	yes

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1.68 zlib 1.2.11-r1

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
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```
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1.71 spdylay 1.30.0-1ubuntu1

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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1.74 mpdecimal 2.4.2-1ubuntu1

1.74.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: mpdecimal

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Files: *

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Files: libmpdec/vcstdint.h

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1.75 libassuan 2.5.1-2

1.75.1 Available under license :

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Version 2.1, February 1999

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Activities other than copying, distribution and modification are not

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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1. Source Code.

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1.76 hostname 3.20

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1.77 libidn 1.33-2.1ubuntu1.2

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```
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1.82 okio 1.15.0

1.83 ecj 4.4.2

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

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1.85 libseccomp 2.3.1-2.1ubuntu4

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1.87 jq 1.5+dfsg-2

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1.88 libxcb 1.13-2~ubuntu18.04

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1.90 libxmu 1.1.2-2

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1.92 shadow 4.5-1ubuntu1

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1.93 xorg 7.7+19ubuntu7.1

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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.94 supervisor 3.3.1-1.1

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1.95 jffi 1.2.10

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1.97 jflex 1.6.0

1.98 jamm 0.3.0

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1.100 disruptor 3.0.1

1.101 streams 2.5.2

1.102 thrift-server 0.3.7

1.103 snake-yaml 1.11

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1.104 caffeine 2.2.6

1.105 googleapis-common-protos 0.0.3

1.106 grpc-context 1.5.0

1.107 jnats 0.7.3

1.108 jetcd-core 0.0.1

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```
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 * limitations under the License.
 */

package com.coreos.jetcd.auth;

import com.coreos.jetcd.data.ByteSequence;

/**
 * represents a permission over a range of keys.
 */
public class Permission {

    private final Type permType;
    private final ByteSequence key;
    private final ByteSequence rangeEnd;

    public enum Type {
        READ,
        WRITE,
        READWRITE,
        UNRECOGNIZED,
    }

    public Permission(Type permType, ByteSequence key,
        ByteSequence rangeEnd) {
        this.permType = permType;
        this.key = key;
        this.rangeEnd = rangeEnd;
    }

    /**
     * returns the type of Permission: READ, WRITE, READWRITE, or UNRECOGNIZED.
     */
    public Type getPermType() {
```

```

    return permType;
}

public ByteSequence getKey() {
    return key;
}

public ByteSequence getRangeEnd() {
    return rangeEnd;
}
}
}
// Generated by the protocol buffer compiler. DO NOT EDIT!
// source: auth.proto

package com.coreos.jetcd.api;

/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public final class Permission extends
    com.google.protobuf.GeneratedMessageV3 implements
    // @@protoc_insertion_point(message_implementation:authpb.Permission)
    PermissionOrBuilder {
    // Use Permission.newBuilder() to construct.
    private Permission(com.google.protobuf.GeneratedMessageV3.Builder<?> builder) {
        super(builder);
    }
    private Permission() {
        permType_ = 0;
        key_ = com.google.protobuf.ByteString.EMPTY;
        rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
    }

    @java.lang.Override
    public final com.google.protobuf.UnknownFieldSet
    getUnknownFields() {
        return com.google.protobuf.UnknownFieldSet.getDefaultInstance();
    }
    private Permission(
        com.google.protobuf.CodedInputStream input,
        com.google.protobuf.ExtensionRegistryLite
    extensionRegistry)
        throws com.google.protobuf.InvalidProtocolBufferException {
        this();

```

```

int mutable_bitField0_ = 0;
try {
    boolean done = false;
    while (!done) {
        int tag = input.readTag();
        switch (tag) {
            case 0:
                done = true;
                break;
            default: {
                if (!input.skipField(tag)) {
                    done = true;
                }
                break;
            }
            case 8: {
                int rawValue = input.readEnum();

                permType_ = rawValue;
                break;
            }
            case 18: {

                key_ = input.readBytes();
                break;
            }
            case 26: {

                rangeEnd_ = input.readBytes();
                break;
            }
        }
    }
} catch (com.google.protobuf.InvalidProtocolBufferException e) {
    throw e.setUnfinishedMessage(this);
} catch (java.io.IOException e) {
    throw new com.google.protobuf.InvalidProtocolBufferException(

        e).setUnfinishedMessage(this);
} finally {
    makeExtensionsImmutable();
}
}
public static final com.google.protobuf.Descriptors.Descriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

```

```

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
    .ensureFieldAccessorsInitialized(
        com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

/**
 * Protobuf enum {@code authpb.Permission.Type}
 */
public enum Type
    implements com.google.protobuf.ProtocolMessageEnum {
    /**
     * <code>READ = 0;</code>
     */
    READ(0),
    /**
     * <code>WRITE = 1;</code>
     */
    WRITE(1),
    /**
     * <code>READWRITE = 2;</code>
     */
    READWRITE(2),
    UNRECOGNIZED(-1),
    ;

    /**
     * <code>READ
     = 0;</code>
     */
    public static final int READ_VALUE = 0;
    /**
     * <code>WRITE = 1;</code>
     */
    public static final int WRITE_VALUE = 1;
    /**
     * <code>READWRITE = 2;</code>
     */
    public static final int READWRITE_VALUE = 2;

    public final int getNumber() {
        if (this == UNRECOGNIZED) {
            throw new java.lang.IllegalArgumentException(
                "Can't get the number of an unknown enum value.");
        }
        return value;
    }
}

```

```

}

/**
 * @deprecated Use {@link #forNumber(int)} instead.
 */
@java.lang.Deprecated
public static Type valueOf(int value) {
    return forNumber(value);
}

public static Type forNumber(int value) {
    switch (value) {
        case 0: return READ;
        case 1: return WRITE;
        case 2: return READWRITE;
        default: return null;
    }
}

public static com.google.protobuf.Internal.EnumLiteMap<Type>
    internalGetValueMap() {
    return internalValueMap;
}

private static final com.google.protobuf.Internal.EnumLiteMap<
    Type> internalValueMap =
    new com.google.protobuf.Internal.EnumLiteMap<Type>() {
        public Type findValueByNumber(int number) {
            return Type.forNumber(number);
        }
    };

public final com.google.protobuf.Descriptors.EnumValueDescriptor
    getValueDescriptor() {
    return getDescriptor().getValues().get(ordinal());
}

public final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptorForType() {
    return getDescriptor();
}

public static final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Permission.getDescriptor().getEnumTypes().get(0);
}

private static final Type[] VALUES = values();

public static Type valueOf(
    com.google.protobuf.Descriptors.EnumValueDescriptor desc) {

```



```

    if (desc.getType() != getDescriptor()) {
        throw new
java.lang.IllegalArgumentException(
    "EnumValueDescriptor is not for this type.");
    }
    if (desc.getIndex() == -1) {
        return UNRECOGNIZED;
    }
    return VALUES[desc.getIndex()];
}

private final int value;

private Type(int value) {
    this.value = value;
}

// @@protoc_insertion_point(enum_scope:authpb.Permission.Type)
}

public static final int PERMTYPE_FIELD_NUMBER = 1;
private int permType_;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}

public static final int KEY_FIELD_NUMBER = 2;
private com.google.protobuf.ByteString
key_;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}

public static final int RANGE_END_FIELD_NUMBER = 3;
private com.google.protobuf.ByteString rangeEnd_;

```

```

/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}

private byte memoizedIsInitialized = -1;
public final boolean isInitialized() {
    byte isInitialized = memoizedIsInitialized;
    if (isInitialized == 1) return true;
    if (isInitialized == 0) return false;

    memoizedIsInitialized = 1;
    return true;
}

public void writeTo(com.google.protobuf.CodedOutputStream output)
    throws java.io.IOException {
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        output.writeEnum(1, permType_);
    }
    if (!key_.isEmpty()) {
        output.writeBytes(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        output.writeBytes(3,
rangeEnd_);
    }
}

public int getSerializedSize() {
    int size = memoizedSize;
    if (size != -1) return size;

    size = 0;
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        size += com.google.protobuf.CodedOutputStream
            .computeEnumSize(1, permType_);
    }
    if (!key_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(3, rangeEnd_);
    }
}

```

```

memoizedSize = size;
return size;
}

private static final long serialVersionUID = 0L;
@Override
public boolean equals(final java.lang.Object obj) {
    if (obj == this) {
        return true;
    }
    if (!(obj instanceof com.coreos.jetcd.api.Permission)) {
        return super.equals(obj);
    }
    com.coreos.jetcd.api.Permission other = (com.coreos.jetcd.api.Permission) obj;

    boolean result = true;
    result = result && permType_ == other.permType_;
    result = result && getKey()
        .equals(other.getKey());
    result = result && getRangeEnd()
        .equals(other.getRangeEnd());
    return result;
}

@Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }
    int hash = 41;
    hash = (19 * hash) + getDescriptor().hashCode();
    hash = (37 * hash) + PERMTYPE_FIELD_NUMBER;
    hash = (53 * hash) + permType_;
    hash = (37 * hash) + KEY_FIELD_NUMBER;
    hash = (53 * hash) + getKey().hashCode();
    hash = (37 * hash) + RANGE_END_FIELD_NUMBER;
    hash = (53 * hash) + getRangeEnd().hashCode();
    hash = (29 * hash) + unknownFields.hashCode();
    memoizedHashCode = hash;
    return hash;
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission

```

```

parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(byte[] data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}
public static com.coreos.jetcd.api.Permission parseFrom(

    byte[] data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseDelimitedFrom(java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission
parseDelimitedFrom(
    java.io.InputStream input,

```

```

    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
    .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input)
    throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input, extensionRegistry);
}

public Builder newBuilderForType() { return new Builder(); }
public static Builder newBuilder() {
    return DEFAULT_INSTANCE.toBuilder();
}
public static Builder newBuilder(com.coreos.jetcd.api.Permission prototype) {
    return DEFAULT_INSTANCE.toBuilder().mergeFrom(prototype);
}
public Builder toBuilder() {
    return this == DEFAULT_INSTANCE
        ? new Builder() : new Builder().mergeFrom(this);
}

@java.lang.Override
protected Builder newBuilderForType(
    com.google.protobuf.GeneratedMessageV3.BuilderParent parent) {
    Builder builder = new Builder(parent);
    return builder;
}
/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public static final class Builder extends
    com.google.protobuf.GeneratedMessageV3.Builder<Builder> implements
    // @@protoc_insertion_point(builder_implements:authpb.Permission)
    com.coreos.jetcd.api.PermissionOrBuilder {

```

```

public static final com.google.protobuf.Descriptors.Descriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
        .ensureFieldAccessorsInitialized(
            com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

// Construct using com.coreos.jetcd.api.Permission.newBuilder()
private Builder() {
    maybeForceBuilderInitialization();
}

private Builder(
    com.google.protobuf.GeneratedMessageV3.BuilderParent parent) {
    super(parent);
    maybeForceBuilderInitialization();
}

private void maybeForceBuilderInitialization() {
    if (com.google.protobuf.GeneratedMessageV3
        .alwaysUseFieldBuilders) {
    }
}

public Builder clear() {
    super.clear();
    permType_ = 0;

    key_ = com.google.protobuf.ByteString.EMPTY;

    rangeEnd_ =
com.google.protobuf.ByteString.EMPTY;

    return this;
}

public com.google.protobuf.Descriptors.Descriptor
    getDescriptorForType() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
    return com.coreos.jetcd.api.Permission.getDefaultInstance();
}

```

```

public com.coreos.jetcd.api.Permission build() {
    com.coreos.jetcd.api.Permission result = buildPartial();
    if (!result.isInitialized()) {
        throw new UninitializedMessageException(result);
    }
    return result;
}

public com.coreos.jetcd.api.Permission buildPartial() {
    com.coreos.jetcd.api.Permission result = new com.coreos.jetcd.api.Permission(this);
    result.permType_ = permType_;
    result.key_ = key_;
    result.rangeEnd_ = rangeEnd_;
    onBuilt();
    return result;
}

public Builder clone() {
    return (Builder) super.clone();
}

public Builder setField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    Object value) {
    return (Builder) super.setField(field, value);
}

public Builder clearField(
    com.google.protobuf.Descriptors.FieldDescriptor field) {
    return (Builder) super.clearField(field);
}

public Builder clearOneof(
    com.google.protobuf.Descriptors.OneofDescriptor oneof) {
    return (Builder) super.clearOneof(oneof);
}

public Builder setRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    int index, Object value) {
    return (Builder) super.setRepeatedField(field, index, value);
}

public Builder addRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    Object value) {
    return (Builder) super.addRepeatedField(field, value);
}

public Builder mergeFrom(com.google.protobuf.Message other) {
    if (other instanceof com.coreos.jetcd.api.Permission)
    {
        return mergeFrom((com.coreos.jetcd.api.Permission)other);
    }
}

```

```

    } else {
        super.mergeFrom(other);
        return this;
    }
}

public Builder mergeFrom(com.coreos.jetcd.api.Permission other) {
    if (other == com.coreos.jetcd.api.Permission.getDefaultInstance()) return this;
    if (other.permType_ != 0) {
        setPermTypeValue(other.getPermTypeValue());
    }
    if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
        setKey(other.getKey());
    }
    if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
        setRangeEnd(other.getRangeEnd());
    }
    onChanged();
    return this;
}

public final boolean isInitialized() {
    return true;
}

public Builder mergeFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    com.coreos.jetcd.api.Permission parsedMessage = null;

    try {
        parsedMessage = PARSER.parsePartialFrom(input, extensionRegistry);
    } catch (com.google.protobuf.InvalidProtocolBufferException e) {
        parsedMessage = (com.coreos.jetcd.api.Permission) e.getUnfinishedMessage();
        throw e.unwrapIOException();
    } finally {
        if (parsedMessage != null) {
            mergeFrom(parsedMessage);
        }
    }
    return this;
}

private int permType_ = 0;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */

```



```

public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermTypeValue(int value) {
    permType_ = value;
    onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermType(com.coreos.jetcd.api.Permission.Type value) {
    if (value == null) {
        throw new NullPointerException();
    }

    permType_ = value.getNumber();
    onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder clearPermType() {

    permType_ = 0;
    onChanged();
    return this;
}

private com.google.protobuf.ByteString key_ = com.google.protobuf.ByteString.EMPTY;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}
/**

```

```

* <code>bytes key = 2;</code>
*/
public Builder setKey(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }

    key_ = value;
    onChanged();
    return this;
}
/**
* <code>bytes key = 2;</code>
*/
public Builder clearKey() {

    key_ = getDefaultInstance().getKey();
    onChanged();
    return this;
}

private com.google.protobuf.ByteString rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
/**
* <code>bytes range_end = 3;</code>
*/
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}
/**
* <code>bytes range_end = 3;</code>
*/
public Builder setRangeEnd(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }

    rangeEnd_ = value;
    onChanged();
    return this;
}
/**
* <code>bytes range_end = 3;</code>
*/
public Builder clearRangeEnd() {

    rangeEnd_ = getDefaultInstance().getRangeEnd();
    onChanged();
    return this;
}

```

```

    }
    public final Builder setUnknownFields(
        final com.google.protobuf.UnknownFieldSet unknownFields) {
        return this;
    }

    public final Builder mergeUnknownFields(
        final com.google.protobuf.UnknownFieldSet unknownFields) {
        return this;
    }

    // @@protoc_insertion_point(builder_scope:authpb.Permission)
    }

    // @@protoc_insertion_point(class_scope:authpb.Permission)
    private static final com.coreos.jetcd.api.Permission DEFAULT_INSTANCE;
    static {
        DEFAULT_INSTANCE = new com.coreos.jetcd.api.Permission();
    }

    public static com.coreos.jetcd.api.Permission getDefaultInstance() {
        return DEFAULT_INSTANCE;
    }

    private static final com.google.protobuf.Parser<Permission>
        PARSER = new com.google.protobuf.AbstractParser<Permission>() {
        public Permission parsePartialFrom(
            com.google.protobuf.CodedInputStream input,
            com.google.protobuf.ExtensionRegistryLite extensionRegistry)
            throws com.google.protobuf.InvalidProtocolBufferException {

            return new Permission(input, extensionRegistry);
        }
    };

    public static com.google.protobuf.Parser<Permission> parser() {
        return PARSER;
    }

    @java.lang.Override
    public com.google.protobuf.Parser<Permission> getParserForType() {
        return PARSER;
    }

    public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
        return DEFAULT_INSTANCE;
    }
}

```

}

1.109 kundera-cassandra-ds-driver 3.13

1.110 kundera-cassandra 3.13

1.111 jts 1.11

1.111.1 Available under license :

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1.112 lombok 1.16.10

1.113 libuv 1.16.1

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*/

```
#ifndef UV_BSD_H
```

```
#define UV_BSD_H
```

```
#define UV_PLATFORM_FS_EVENT_FIELDS
```

```
uv__io_t event_watcher;
```

```
#define UV_IO_PRIVATE_PLATFORM_FIELDS
```

```
int rcount;
```

```
int wcount;
```

```
#define UV_HAVE_KQUEUE 1
```

```
#endif /* UV_BSD_H */
```

```
Files: *
```

```
=====
```

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```
Files: getopt.c
```

```
=====
```

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1.114 okhttp 3.8.0

1.115 okhttp 3.8.1

1.116 pcre 8.41

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Written by: Philip Hazel
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1.118 v8 5.1.281.111

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=====

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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1.119 giflib 5.1.4-2

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1.120 unzip 6.0-21ubuntu1

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
as public domain code.

1.121 zt-exec 1.10

1.122 objenesis 2.6

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```
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// -----
```

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1.123 generex 1.0.2

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```
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```

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*/

Found in path(s):

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/GenerexIterator.java

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java

*

/opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Main.java

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java

No license file was found, but licenses were detected in source scan.

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
```

```
<groupId>com.github.mifmif</groupId>
```

```
<artifactId>generex</artifactId>
```

```
<version>1.0.2</version>
```

```
<name>Generex</name>
```

```
<url>https://github.com/mifmif/Generex/tree/master</url>
```

```
<description>Generex A Java Library for regex to Strings generation</description>
```

```
<packaging>jar</packaging>
```

```
<licenses>
```

```
<license>
```

```
<name>The Apache Software License, Version 2.0</name>
```

```
<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
```

```
<distribution>repo</distribution>
```

```
</license>
```

```
</licenses>
```

```
<developers>
```

```
<developer>
```

```
<id>mifmif</id>
```

```
<name>MIFRAH Youssef</name>
```

```
<email>mifmif.com@gmail.com</email>
```

```
</developer>
```

```
<developer>
```

```
<id>mkolisnyk</id>
```

```
<name>mkolisnyk</name>
```

```
<email>kolesnik.nickolay@gmail.com</email>
```

```
</developer>
```

```
</developers>
```

```

<parent>
<groupId>org.sonatype.oss</groupId>
<artifactId>oss-parent</artifactId>
<version>7</version>
</parent>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<maven.pmd.excludes>*/generated-sources/**</maven.pmd.excludes>
</properties>
<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>
<type>mail</type>
</notifier>
<notifier>
<address>kolesnik.nickolay@gmail.com</address>
<type>mail</type>
</notifier>
</notifiers>
</ciManagement>

<distributionManagement>
<snapshotRepository>
<id>ossrh</id>
<url>https://oss.sonatype.org/content/repositories/snapshots</url>
</snapshotRepository>
<repository>
<id>ossrh</id>
<url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
</repository>
</distributionManagement>

<build>
<sourceDirectory>src/main/java</sourceDirectory>
<testSourceDirectory>src/test/java</testSourceDirectory>
<resources>
<resource>

```



```

<directory>src</directory>
<excludes>
  <exclude>**/*.java</exclude>
</excludes>
</resource>
<resource>
  <directory>target/dependency</directory>
  <excludes>
    <exclude>**/*.java</exclude>
  </excludes>
</resource>
<resource>
  <directory>src/main/resources</directory>
  <includes>
    <include>**/*.properties</include>
  </includes>
</resource>
</resources>
<plugins>
  <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-install-plugin</artifactId>
    <version>2.5.2</version>
    <configuration>
      <file>target/${project.artifactId}-${project.version}.jar</file>
      <groupId>${project.groupId}</groupId>
      <artifactId>${project.artifactId}</artifactId>
      <version>${project.version}</version>
      <packaging>maven-plugin</packaging>
    </configuration>
  </plugin>

  <plugin>
    <artifactId>maven-compiler-plugin</artifactId>
    <version>3.5.1</version>
    <configuration>
      <source>1.5</source>
      <target>1.5</target>
    </configuration>
  </plugin>
  <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-jar-plugin</artifactId>
    <version>3.0.2</version>
    <configuration>
      <excludes>
        <exclude>*</exclude>
        <exclude>com/thoughtworks/**/*</exclude>
      </excludes>
    </configuration>
  </plugin>

```

```

<exclude>freemarker/**/*</exclude>
<exclude>ftl/**/*</exclude>
<exclude>i18n/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>junit/**/*</exclude>
<exclude>licenses/**/*</exclude>
<exclude>META-INF/maven/**/*</exclude>
<exclude>org/codehaus/**/*</exclude>
<exclude>org/hamcrest/**/*</exclude>
<exclude>org/jbehave/**/*</exclude>
<exclude>org/junit/**/*</exclude>
<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
<exclude>stories/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>tests/**/*</exclude>
</excludes>
<archive>
<manifest>
<addClasspath>>false</addClasspath>
<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
<addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</plugin>
<plugin>
<artifactId>maven-assembly-plugin</artifactId>
<version>2.6</version>
<configuration>
<descriptors>
<descriptor>./sources.xml</descriptor>
</descriptors>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-dependency-plugin</artifactId>
<version>2.10</version>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<version>2.10.3</version>
<configuration>
<show>private</show>

```

```

    <nohelp>false</nohelp>
    <failOnError>false</failOnError>
    <sourcepath>src/main/java</sourcepath>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-release-plugin</artifactId>
  <configuration>
    <tagNameFormat>v@{project.version}</tagNameFormat>
    <preparationGoals>package
install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
    <skip>>true</skip>
  </configuration>
</plugin>

```

```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
  <executions>
    <execution>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>

```

```
</execution>
</executions>
</plugin>
```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-gpg-plugin</artifactId>
<executions>
<execution>
<id>sign-artifacts</id>
<phase>deploy</phase>
<goals>
<goal>sign</goal>
</goals>
</execution>
</executions>
```

```
</plugin>
```

```
<plugin>
<groupId>org.sonatype.plugins</groupId>
<artifactId>nexus-staging-maven-plugin</artifactId>
<version>1.6.3</version>
<executions>
<execution>
<id>default-deploy</id>
<phase>deploy</phase>
<goals>
<goal>deploy</goal>
</goals>
</execution>
</executions>
<extensions>>true</extensions>
<configuration>
<serverId>ossrh</serverId>
<nexusUrl>https://oss.sonatype.org/</nexusUrl>
</configuration>
```

```
</plugin>
```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-pmd-plugin</artifactId>
<version>3.6</version>
<configuration>
<failOnViolation>>true</failOnViolation>
<excludeRoots>
```

```

    <excludeRoot>target/generated-sources/plugin</excludeRoot>
  </excludeRoots>
  <excludes>
    <exclude>**/HelpMojo.java</exclude>
  </excludes>
</configuration>
<executions>
  <execution>
    <goals>
      <goal>check</goal>
      <goal>cpd-check</goal>
    </goals>
    <configuration>
      <failOnViolation>true</failOnViolation>
      <excludes>
        <exclude>**/HelpMojo.java</exclude>
      </excludes>
    </configuration>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <excludes>**/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>cobertura-maven-plugin</artifactId>
  <version>2.6</version>
  <configuration>
    <check>
      <haltOnFailure>>false</haltOnFailure>
      <totalBranchRate>80</totalBranchRate>
      <totalLineRate>80</totalLineRate>
    </check>
  </configuration>
</plugin>

```

```

<packageLineRate>80</packageLineRate>
<packageBranchRate>80</packageBranchRate>
</check>
<instrumentation>
  <excludes>
    <exclude>**/HelpMojo.class</exclude>
  </excludes>
</instrumentation>
</configuration>
<executions>
  <execution>
    <id>verification</id>
    <phase>verify</phase>
    <goals>
      <goal>check</goal>
      <goal>cobertura</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>javancss-maven-plugin</artifactId>
  <version>2.0</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <ccnLimit>15</ccnLimit>
    <ncssLimit>100</ncssLimit>
    <failOnViolation>true</failOnViolation>
    <excludes>
      <exclude>**/tests/**/*.*</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.1</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>

```

```
<excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
</configuration>
<executions>
  <execution>
    <goals>
      <goal>check</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
  <dependency>
    <groupId>dk.brics.automaton</groupId>
    <artifactId>automaton</artifactId>
    <version>1.11-8</version>
  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.hamcrest</groupId>
    <artifactId>hamcrest-junit</artifactId>
    <version>2.0.0.0</version>
    <scope>test</scope>
  </dependency>
</dependencies>
</project>
```

Found

in path(s):

* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

1.124 iconv 2.27

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Version 2, June 1991

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- a) Accompany the work with the complete corresponding

machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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```
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```

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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Version 3, 29 June 2007

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The

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as

long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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```


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1.125 alpine-keys 2.1-r1

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1.126 pax-utils 1.2.3-r0

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1.128 asm-tree 5.0.3

1.129 checker-qual 2.0.0

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1.130 asm-analysis 5.0.3

1.131 asm-commons 5.0.3

1.132 lz4-java 1.4.1

1.133 asm-util 5.0.3

1.134 commons-logging 1.2

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1.135 jackson-mapper-asl 1.9.13

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jar/org/codehaus/jackson/map/MappingJsonFactory.java
```

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1.137 tiger-types 1.4

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jar/org/jvnet/tiger_types/WildcardTypeImpl.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-
jar/org/jvnet/tiger_types/TypeVisitor.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/Lister.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-jar/org/jvnet/tiger_types/Types.java
* /opt/cola/permits/1000738750_1654022966.462261/0/tiger-types-1-4-sources-
jar/org/jvnet/tiger_types/ParameterizedTypeImpl.java

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```

1.138 jackson 1.9.13

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```

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1.141 debconf 1.5.66ubuntu1

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@vskip 20pt plus 1fil  
@end macro
```

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@macro copyrightstart{ }  
@end macro
```

```
@macro copyrightend{ }  
@end macro
```

```
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@comment node-name, next, previous, up  
@appendix Copyrights and Licenses
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@item KCM credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

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lib/hcrypto/test_dh.c

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License.

Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.144 libcap-ng 0.7.7-3.1

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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1.145 init-system-helpers 1.51

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1.146 gmp 6.1.2+dfsg-2

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```
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Version 3, 29 June 2007

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1.149 gson 2.8.0

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1.151 base-passwd 3.5.44

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Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/*

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Files: passwd.master, group.master

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X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

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Files: doc/*

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1.152 free-type 2.8.1-2ubuntu2

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# All lines in this file are patterns, including the comment lines; this
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```
# always starting with `./').
#
# Don't put empty lines into this file!
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
```

```
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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1.154 util-linux 2.31.1-0.4ubuntu3.3

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;*!;_>KfBqxY(F|0.Ve%S61opMG`YfRXvY[R+t[ BS=)d ;*!;_>KfBqxY(F|0.Ve%Q?f_{+T@Uo)2fgYZ
```

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Written by: Philip Hazel
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1.158 openssl 1.1.1-1ubuntu2.1~18.04.4

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1.159 ubuntu-keyring 2018.09.18.1~18.04.0

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* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/ext/FactoryFinder.java
 * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/core/Request.java
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 * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-jar/javax/ws/rs/DefaultValue.java
 * /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-

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jar/javax/ws/rs/ApplicationPath.java
* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
jar/javax/ws/rs/DELETE.java
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info.java
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* /opt/cola/permits/1000741842_1654022862.0826519/0/javax-ws-rs-api-2-0-1-sources-
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1.161 jersey-server 2.25.1

1.162 jersey-client 2.25.1

1.163 jersey-container-servlet-core 2.25.1

1.164 jersey-container-servlet 2.25.1

1.165 javax-el 3.0.0

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1.169 libpsl 0.19.1-5build1

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1.170 lua-cjson 2.1.0

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1.171 log4j-api 2.8.2

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1.172 json-java 20090211

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ring;)Ljava/util/Set;resulttkLjava/util/StringTokenizer;itemtoString
SourceFilePermissions.java./z{;()*+)}HI,-
~>,*@;F}java/util/HashSetjava/util/StringTokenizer,.;java/lang/StringBufferPermission: ("",
"N";1org/apache/tools/ant/types/Permissions$Permissionjava/lang/Objectjava/lang/Stringtrimlength()IgetClass()Lja
va/lang/Class;java/lang/Classequals(Ljava/lang/Object;)ZendsWith(Ljava/lang/String;)Zjava/security/Permission
substring(II)Ljava/lang/String;
startsWith
java/util/Set removeAll(Ljava/util/Collection;)Z'(Ljava/lang/String;Ljava/lang/String;)V nextTokenadd

```

```
hasMoreTokens()Zappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;,(Ljava/lang/Object;)Ljava/lang/StringBuffer
;&org/apache/tools/ant/types/Permissions!&'()*+),-
./0/*1236780A *+1
2 36 9);;0/*1236<80A *+1
2 36 =>;0/*1236?80V*++**+1236,)@;0/*1236AB0*+
*<*
+**d*+***+M,>,*W,1>&ACQ S%Z&c'j(u)+/2*36CDcE-jFGHI0;YMY+N-:,W-,1"789;:<299?24;36;,)3J-
(KLM)N;0^4Y * ! * " *#$ % 1F2436OP5
&w4
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```

1.174 apache-log4j 2.8.2

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1.176 jackson-annotations 2.9.8

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1.177 commons-io 1.3.2

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*/
/****

* A registry for service provider objects.
* <p/>
* Service providers are looked up from the classpath, under the path
* { @code META-INF/services/}<full-class-name>.
* <p/>
* For example:

* { @code META-INF/services/com.company.package.spi.MyService }.
* <p/>
* The file should contain a list of fully-qualified concrete class names,
*
* one per line.
* <p/>
* The full-class-name represents an interface or (typically) an
* abstract class, and is the same class used as the category for this registry.
* Note that only one instance of a concrete subclass may be registered with a
* specific category at a time.
* <p/>
* <small>Implementation detail: This class is a clean room implementation of
* a service registry and does not use the proprietary { @code sun.misc.Service }
* class that is referred to in the JAR File specification.
* This class should work on any Java platform.
* </small>
*
* @author Harald Kuhr
* @version \$Id: com/twelvemonkeys/util/service/ServiceRegistry.java#2 \$
* @see RegisterableService
* @see JAR File

Specification

*/

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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/NullMap.java

*

/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/LinkedSet.java
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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/Time.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/TimeConverter.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/TypeMismatchException.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/ConverterImpl.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/TimeoutMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/CollectionUtil.java
*
/opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-jar/com/twelvemonkeys/util/convert/DefaultConverter.java
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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources-
jar/com/twelvemonkeys/lang/Validate.java

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1.179 gson 2.8.2

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jar/com/google/gson/internal/LinkedHashMap.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/LinkedTreeMap.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/JsonAdapter.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/GsonBuilder.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonPrimitive.java

*

/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonArray.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/DefaultDateTypeAdapter.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Excluder.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/reflect/TypeToken.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonNull.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/FieldNamingPolicy.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Since.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/JsonDeserializationContext.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Until.java

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

jar/com/google/gson/internal/ObjectConstructor.java

*

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/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/Gson.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/JsonParseException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonDeserializer.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/JsonSerializationContext.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonElement.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/annotations/SerializedName.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonObject.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Primitives.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-
jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
```

* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/TypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/TypeAdapter.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonTreeWriter.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/UnsafeAllocator.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TreeTypeAdapter.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/ConstructorConstructor.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldAttributes.java

*

/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonParser.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-

```
jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonScope.java
*
/opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/stream/JsonReader.java
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jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Streams.java
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1.180.1 Available under license :

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1.181 argparse 0.8.1

1.182 json-simple 1.1

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1.183 taglibs-standard-spec 1.2.5

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1.189 protobuf-java 3.4.0

1.190 commons-beanutils 1.9.2

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1.191 bcpkix-jdk15on 1.51

1.192 python-meld3 1.0.2-2

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Contributors

- Chris McDonough, 2005-12-18

- Tres Seaver, 2006-02-09

- Jorge Puente Sarrn, 2012-11-27

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1.193 curl 7.58.0-2ubuntu3.7

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=====

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1.194 less 487-0.1

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The

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Less

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1.195 metrics 3.1.0

1.196 instrumentation-api 0.4.3

1.197 curl 7.58.0-2ubuntu3.6

1.197.1 Available under license :

License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

libcurl

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zlib

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Heimdal

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GNU GSS

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libssh2

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1.198 openssl 1.0.2n-1ubuntu5.3

1.198.1 Available under license :

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*

* Optimised ANSI C code for the Rijndael cipher (now AES)

*

* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H
#define _COMPAT_POLL_H

typedef struct pollfd {
int fd;
short events;

```

```

short revents;
} pollfd_t;

typedef unsigned int nfd_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not
standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H_ */
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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int,
int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
/*
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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

```

```
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
```

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1.202 apt 1.6.8

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1.203 chardet 3.0.4-1

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1.204 apk-tools 2.10.1-r0

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```

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```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_io.h
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*/
```

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```
*/opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/libfetch/fetch.c
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```

```
*
```

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```
*/
```

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*/opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/version.c
```

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```
/* info.c - Alpine Package Keeper (APK)
```

```
*
```

```
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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/info.c

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Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_provider_data.h

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Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/libfetch/http.c
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/* manifest.c - Alpine Package Keeper (APK)

*

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/manifest.c

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/libfetch/fetch.3

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/* search.c - Alpine Package Keeper (APK)

*

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/search.c

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```
/* apk_solver.h - Alpine Package Keeper (APK)
*
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```

Found in path(s):

```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_solver.h
```

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```
/* url.c - Alpine Package Keeper (APK)
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```

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```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/url.c
```

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```
/* apk_blob.h - Alpine Package Keeper (APK)
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```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_blob.h
```

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* $FreeBSD: fetch.h,v 1.26 2004/09/21 18:35:20 des Exp $
*/
```

Found in path(s):

```
*/opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-
2.10.0/libfetch/fetch.h
```

No license file was found, but licenses were detected in source scan.

```
/* policy.c - Alpine Package Keeper (APK)
```

```
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```

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/policy.c
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```
/* print.c - Alpine Package Keeper (APK)
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```

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/print.c
No license file was found, but licenses were detected in source scan.

```
/* md5.h - Compute MD5 checksum of files or strings according to the
* definition of MD5 in RFC 1321 from April 1992.
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*/
```

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/md5.h
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```
/* apk_applet.h - Alpine Package Keeper (APK)
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/* del.c - Alpine Package Keeper (APK)

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/* apk_version.h - Alpine Package Keeper (APK)

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/* fetch.c - Alpine Package Keeper (APK)

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/* verify.c - Alpine Package Keeper (APK)

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/* implemented as luaL_typerror until lua 5.1, dropped in 5.2

* (C) 1994-2012 Lua.org, PUC-Rio. MIT license

*/

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/* commit.c - Alpine Package Keeper (APK)

* Apply solver calculated changes to database.

*

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/* gunzip.c - Alpine Package Keeper (APK)

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*/
```

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```
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```

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/* cache.c - Alpine Package Keeper (APK)

```
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*/

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/* index.c - Alpine Package Keeper (APK)

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/* list.c - Alpine Package Keeper (APK)

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*/

Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/list.c

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/* common.c - Alpine Package Keeper (APK)

*

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Found in path(s):

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No license file was found, but licenses were detected in source scan.

/* apk.c - Alpine Package Keeper (APK)

*

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Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk.c

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/* update.c - Alpine Package Keeper (APK)

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/update.c

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/* audit.c - Alpine Package Keeper (APK)

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*
* \$FreeBSD: ftp.c,v 1.101 2008/01/23 20:57:59 des Exp \$
*/

Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/libfetch/ftp.c
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/* upgrade.c - Alpine Package Keeper (APK)

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Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/upgrade.c
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/* blob.c - Alpine Package Keeper (APK)

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/* database.c - Alpine Package Keeper (APK)

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/* apk_package.h - Alpine Package Keeper (APK)

*

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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-

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```
/* apk_defines.c - Alpine Package Keeper (APK)
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```

Found in path(s):

```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_defines.h
```

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```
/* hash.c - Alpine Package Keeper (APK)
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```

Found in path(s):

```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/hash.c
```

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```
/* apk_archive.c - Alpine Package Keeper (APK)
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Found in path(s):

```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/apk_archive.h
```

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*
* $FreeBSD: file.c,v 1.18 2007/12/14 10:26:58 des Exp $
*/
```

Found in path(s):

```
* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/libfetch/file.c
```

No license file was found, but licenses were detected in source scan.

/* solver.c - Alpine Package Keeper (APK)

```
* Up- and down-propagating, forwarding checking, deductive dependency solver.
```

```
*
```

```
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```

```
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```

```
*
```

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```
*/
```


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* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-2.10.0/src/solver.c

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```
/* apk_hash.h - Alpine Package Keeper (APK)
```

```
*
```

```
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```

```
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*
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```

```
*/
```

Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-

2.10.0/src/apk_hash.h

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```
/* apk_print.h - Alpine Package Keeper (APK)
```

```
*
```

```
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```

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*
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```

```
*/
```

Found in path(s):

* /opt/cola/permits/1000876566_1654022814.8255858/0/apk-tools-2-10-0-1-tar-bz2/apk-tools-

2.10.0/src/apk_print.h

1.205 python-idna 2.6-1

1.205.1 Available under license :

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1.206 apk-tools 2.10.0-r0

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1.207 sqlite 3.22.0-1

1.207.1 Available under license :

```
<!DOCTYPE HTML PUBLIC "-//W3C/DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<link href="sqlite.css" rel="stylesheet">
<title>SQLite Copyright</title>
<!-- path= -->
</head>
<body>
<div class=nosearch>
<a href="index.html">

</a>
<div><!-- IE hack to prevent disappearing logo --></div>
<div class="tagline desktoponly">
Small. Fast. Reliable.<br>Choose any three.
</div>
<div class="menu mainmenu">
<ul>
<li><a href="index.html">Home</a>
<li class='mobileonly'><a href="javascript:void(0)" onclick='toggle_div("submenu")'>Menu</a>
<li class='wideonly'><a href='about.html'>About</a>
<li class='desktoponly'><a href="docs.html">Documentation</a>
<li class='desktoponly'><a href="download.html">Download</a>
<li class='wideonly'><a href='copyright.html'>License</a>
<li
class='desktoponly'><a href="support.html">Support</a>
<li class='desktoponly'><a href="prosupport.html">Purchase</a>
<li class='search' id='search_menubutton'>
<a href="javascript:void(0)" onclick='toggle_search()'>Search</a>
</ul>
</div>
<div class="menu submenu" id="submenu">
<ul>
<li><a href='about.html'>About</a>
<li><a href='docs.html'>Documentation</a>
<li><a href='download.html'>Download</a>
<li><a href='support.html'>Support</a>
<li><a href='prosupport.html'>Purchase</a>
</ul>
</div>
<div class="searchmenu" id="searchmenu">
<form method="GET" action="search">
<select name="s" id="searchtype">
```

```

<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function
toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
}, 30);
}
}
function div_off(nm){ document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */
/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match(/http/) ){
document.getElementById("search_menubutton").style.display = "none";
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);
var b = document.getElementById(btn);
if( x.style.display!='none' ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = "";
b.innerHTML='hide';
}
}
return false;

```

```
}  
</script>  
</div>
```

```
<h2>SQLite  
Is Public Domain</h2>
```

```
<div class="rightsidebar desktoponly">  
<center>  
<br>  
SQLite is in the<br>  
<a href="http://en.wikipedia.org/wiki/Public_Domain">Public Domain</a>  
</center>  
</div>
```

```
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</p>
```

```
<p>  
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build process (for example the "configure" scripts generated by autoconf)  
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</p>
```

```
<p>  
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No code has been taken from other projects or from the open  
internet. Every line of code can be traced back to its original  
author, and all of those authors have public domain dedications
```

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</p>

<div class="rightsidebar">

<form method="GET" action="https://www.hwaci.com/cgi-bin/license-step1">

<input type="submit" value="Buy An SQLite License">

</form>

</div>

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<html>

<title>SQLite Copyright Release Template</title>

<body bgcolor="white">

<h1 align="center">

Copyright Release for

Contributions To SQLite

</h1>

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1.208 netcat 1.10-41.1

1.209 systemd 237-3ubuntu10.13

1.209.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

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Upstream-Contact: systemd-devel@lists.freedesktop.org

Source: <https://www.freedesktop.org/wiki/Software/systemd/>

Files: debian/*

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src/udev/udev-builtin-net_setup_link.c
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1.210 gdbm 1.14.1-6

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Version 3, 29 June 2007

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1.211 python-setuptools 39.0.1-2

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1.212 python-certifi 2018.1.18-2

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.213 six 1.11.0-2

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1.214 apr 1.6.3-2

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From strings/apr_strnatcmp.c,
include/apr_strings.h:

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From
strings/apr_snprintf.c:

- *
- * cvt - IEEE floating point formatting routines.
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* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/Annotation.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
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jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ByteMemberValue.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ArrayMemberValue.java
No license file was found, but licenses were detected in source scan.

/*
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*/

Found in path(s):

* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/Subroutine.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/runtime/Cflow.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/convert/Transformer.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-

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jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/CallExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/util/proxy/SecurityActions.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/SyntheticAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/reflect/Reflection.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/SyntaxError.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/convert/TransformCall.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/CtNewWrappedMethod.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtPrimitiveType.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/Translator.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/DeprecatedAttribute.java
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* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPoolTail.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/CodeAnalyzer.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/DoubleConst.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/ByteArray.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/LocalVariableAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/util/proxy/ProxyObjectInputStream.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/ClassMap.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/StackMap.java

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* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/tools/rmi/ObjectNotFoundException.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/analysis/Util.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtArray.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
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 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/analysis/MultiType.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/analysis/ControlFlow.java
 *
 /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/analysis/Type.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Cast.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtMember.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtMethod.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/CodeIterator.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/scopedpool/ScopedClassPoolRepository.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/annotation/NoSuchClassError.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CodeConverter.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/LineNumberAttribute.java
 *
 /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/framedump.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/util/proxy/ProxyFactory.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/compiler/ast/Member.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/NewExpr.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewClass.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/ClassClassPath.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/convert/TransformReadField.java
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 jar/javassist/bytecode/EnclosingMethodAttribute.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/Modifier.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/CannotCompileException.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
 jar/javassist/bytecode/analysis/FramePrinter.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-

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jar/javassist/NotFoundException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtClass.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/rmi/StubGenerator.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/Callback.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/MemberResolver.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtField.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/Dump.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/LoaderClassPath.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/CodeGen.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/Opcode.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtConstructor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/AnnotationsWriter.java
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/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/util/proxy/MethodHandler.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/stackmap/TypeTag.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/scopedpool/ScopedClassPoolFactory.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/rmi/Sample.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/runtime/Desc.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/convert/TransformNew.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/Proxy.java
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/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/FieldInfo.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/Executor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/Javac.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/CtNewWrappedConstructor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/MethodCall.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ClassFile.java
*

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/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/RuntimeSupport.java
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* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AttributeInfo.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/FieldAccess.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/SymbolTable.java
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* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/InstructionPrinter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/StringL.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/runtime/Inner.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtBehavior.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/NewArray.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ExceptionTable.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ASTList.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/stackmap/TypedBlock.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ProceedHandler.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/MethodFilter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-

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jar/javassist/bytecode/stackmap/MapMaker.java
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/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Expr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/KeywordTable.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/Loader.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Expr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/Parser.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/reflect/Compiler.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/ByteArrayClassPath.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/expr/ConstructorCall.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/IntQueue.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/convert/TransformNewClass.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/rmi/ObjectImporter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/tools/rmi/AppletServer.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/ast/InstanceOfExpr.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/TokenId.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/Frame.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/AccessFlag.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/CodeAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/web/Viewer.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/ExprEditor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/URLClassPath.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/compiler/TypeChecker.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtClassType.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/analysis/Analyzer.java
*

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/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Handler.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPath.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/Bytecode.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/LongVector.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Sample.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/IntConst.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/MethodInfo.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/SerialVersionUID.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/ScopedClassPool.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/web/BadHttpRequest.java
*
/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformBefore.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/MethodDecl.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/JvstTypeChecker.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/SignatureAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Variable.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ParameterAnnotationsAttribute.java

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 /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewMethod.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/Descriptor.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/CannotCreateException.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ExceptionsAttribute.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPool.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewNestedClass.java
 *
 /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Pair.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/rmi/RemoteRef.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Loader.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/JvstCodeGen.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformFieldAccess.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/CondExpr.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/Lex.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/Mnemonic.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/StackMapTable.java
 *
 /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Keyword.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/util/HotSwapper.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/CompileError.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/MemberCodeGen.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformWriteField.java
 * /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/SerializedProxy.java
 *

/opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Declarator.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ConstantAttribute.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ConstPool.java
* /opt/cola/permits/1000891165_1646171594.74/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/AccessorMaker.java

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1.231 swagger-annotations 1.5.10

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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 *
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

    /**
     * The name of the license.
     *
     * @return the name of the license
     */
    String name();
}
```

```

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

```

1.232 swagger 1.5.10

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2name()Ljava/lang/String:urlAnnotationDefault
SourceFileLicense.javaRuntimeVisibleAnnotationsLjava/lang/annotation/Target;value"Ljava/lang/annotation/Element
Type;ANNOTATION_TYPE
Ljava/lang/annotation/Retention;&Ljava/lang/annotation/RetentionPolicy;RUNTIMEio/swagger/annotations/Licens
ejava/lang/Objectjava/lang/annotation/Annotation&s

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*/

```
/** Template subgroup to add template rewrite output
 * If debugging, then you'll also get STDbg.stg loaded.
 */
```

```
@outputFile.imports() ::= <<
<@super.imports(>
import org.antlr.stringtemplate.*;
import org.antlr.stringtemplate.language.*;
import java.util.HashMap;
>>
```

```
/** Add this to each rule's return value struct */
@returnScope.ruleReturnMembers() ::= <<
public StringTemplate st;
public Object getTemplate() { return st; }
public String
toString() { return st==null?null:st.toString(); }
>>
```

```
@genericParser.members() ::= <<
<@super.members(>
protected StringTemplateGroup templateLib =
    new StringTemplateGroup("<name>Templates", AngleBracketTemplateLexer.class);

public void setTemplateLib(StringTemplateGroup templateLib) {
    this.templateLib = templateLib;
}
public StringTemplateGroup getTemplateLib() {
```

```

    return templateLib;
}
/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
@SuppressWarnings("serial")
public static class STAttrMap extends HashMap<String, Object> {
    public STAttrMap put(String attrName, Object value) {
        super.put(attrName, value);
        return this;
    }
}
>>

```

```

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, {<label>.getTemplate()})>
>>

```

```

rewriteTemplate(alts) ::= <<

```

```

// TEMPLATE REWRITE
<if(backtracking)>
if
( <actions.(actionScope).synpredgate> ) {
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

```

```

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
((TokenRewriteStream)input.getTokenStream()).replace(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start),
retval.st);
<else>
((TokenRewriteStream)input).replace(
((Token)retval.start).getTokenIndex(),
input.LT(-1).getTokenIndex(),
retval.st);
<endif>
>>

```

```

rewriteTemplateAlt(alt) ::= <<
// <alt.description>
<if(alt.pred)>
if (<alt.pred>) {
    retval.st = <alt.alt>;
}<\n>
<else>
{
    retval.st = <alt.alt>;
}<\n>
<endif>
>>

```

```

rewriteEmptyTemplate(alts) ::= <<
null;
>>

```

```

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template *after*
having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */

```

```

rewriteExternalTemplate(name,args) ::= <%
templateLib.getInstanceOf("<name>"<if(args)>,
    new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
%>

```

```

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
templateLib.getInstanceOf(<expr><if(args)>,
    new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
%>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
new StringTemplate(templateLib, "<template>"<if(args)>,
    new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
%>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>

```


>>

```
/** An action has %st.attrName=expr; or % {st}.attrName=expr; */  
actionSetAttribute(st,attrName,expr)  
::= <<  
(<st>).setAttribute("<attrName>",<expr>);  
>>
```

```
/** Translate %{stringExpr} */  
actionStringConstructor(stringExpr) ::= <<  
new StringTemplate(templateLib,<stringExpr>  
>>
```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Java/ST.stg
No license file was found, but licenses were detected in source scan.

```
/*  
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http://www.linkedin.com/in/jimidle
```

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*/

```

/*
 * This code generating template and the associated C runtime was produced by:
 * Jim Idle jim@hereisanat@idle.dotgoeshere.ws.
 * If it causes the destruction of the Universe, it will be pretty cool so long as
 * I am in a different one at the time.
 */
cTypeInitMap ::= [
  "int"   : "0",      // Integers   start out being 0
  "long"  : "0",      // Longs    start out being 0
  "float" : "0.0",    // Floats   start out being 0
  "double": "0.0",    // Doubles  start out being 0
  "ANTLR3_BOOLEAN" : "ANTLR3_FALSE", // Booleans  start out being Antlr C for false
  "byte"  : "0",      // Bytes    start out being 0
  "short" : "0",      // Shorts   start out being 0
  "char"  : "0",      // Chars    start out being 0
]

leadIn(type) ::=
<<
/** \file
 * This <type> file was generated by $ANTLR version <ANTLRVersion>
 *
 * - From the grammar source file : <fileName>
 * -                               On : <generatedTimestamp>
<if(LEXER)>
 * -                               for the lexer : <name>Lexer
<endif>
<if(PARSER)>
 * -                               for the parser : <name>Parser
<endif>
<if(TREE_PARSER)>
 * -                               for the tree parser : <name>TreeParser
<endif>
 *
 * Editing it, at least manually, is not wise.
 *
 * C language generator and runtime by Jim Idle, jim@hereisanat@idle.dotgoeshere.ws.
 *
 *
>>

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile( LEXER,
            PARSE,

```

```

TREE_PARSER,
actionScope,
actions,
docComment,
recognizer,
name,
tokens,
tokenNames,
rules,
cyclicDFAs,
bitsets,
buildTemplate,
buildAST,
rewriteMode,
profile,
backtracking,
synpreds,
memoize,
numRules,
fileName,
ANTLRVersion,
generatedTimestamp,
trace,
scopes,
superClass,
literals
) ::=
<<
<leadIn("C source")>
*/
// [The "BSD license"]
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Wave LLC
// http://www.temporal-wave.com
// http://www.linkedin.com/in/jimidle
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```

```
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// THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
<if(actions.(actionScope).header)>
```

```
/* =====
```

```
* This is what the grammar programmer asked us to put at the top of every file.
```

```
*/
```

```
<actions.(actionScope).header>
```

```
/* End of Header action.
```

```
* =====
```

```
*/
```

```
<endif>
```

```
/* -----
```

```
* Include the ANTLR3 generated header file.
```

```
*/
```

```
#include
```

```
"<name>.h"
```

```
<actions.(actionScope).postinclude>
```

```
/* ----- */
```

```
<docComment>
```

```
<if(literals)>
```

```
/** String literals used by <name> that we must do things like MATCHS() with.
```

```
* C will normally just lay down 8 bit characters, and you can use L"xxx" to
```

```
* get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
```

```
* we perform this little trick of defining the literals as arrays of UINT32
```

```
* and passing in the address of these.
```

```
*/
```

```
<literals:{it | static ANTLR3_UCHAR lit_<i>[] = <it>;}; separator="\n">
```

```
<endif>
```

```

/* MACROS that hide the C interface implementations from the
* generated code, which makes it a little more understandable to the human eye.
* I am very much against using C pre-processor macros for function calls and bits
* of code as you cannot see what is happening when single stepping in debuggers
* and so on. The exception (in my book at least) is for generated code, where you are
* not maintaining it, but may wish to read and understand it. If you single step it, you know that input()
* hides some indirect calls, but is always referring to the input stream. This is
* probably more readable than ctx->input->istream->input(snarfle0->blarg) and allows me to rejig
* the runtime interfaces without changing the generated code too often, without
* confusing the reader of the generated output, who may not wish to know the gory
* details of the interface inheritance.
*/

#define CTX ctx

/* Aids in accessing scopes for grammar programmers
*/
#undef SCOPE_TYPE
#undef SCOPE_STACK
#undef SCOPE_TOP
#define SCOPE_TYPE(scope) p<name>_##scope##_SCOPE
#define SCOPE_STACK(scope) p<name>_##scope##_Stack
#define SCOPE_TOP(scope) ctx->p<name>_##scope##_Top
#define SCOPE_SIZE(scope) ctx->p<name>_##scope##_Stack_limit
#define SCOPE_INSTANCE(scope, i) (ctx->SCOPE_STACK(scope)->get(ctx->SCOPE_STACK(scope),i))

<if(LEXER)>

/* Macros for accessing things
in a lexer
*/
#undef LEXER
#undef RECOGNIZER
#undef RULEMEMO
#undef GETCHARINDEX
#undef GETLINE
#undef GETCHARPOSITIONINLINE
#undef EMIT
#undef EMITNEW
#undef MATCHC
#undef MATCHS
#undef MATCHRANGE
#undef LTOKEN
#undef HASFAILED
#undef FAILEDFLAG
#undef INPUT
#undef STRSTREAM
#undef LA

```

```

#undef  HASEXCEPTION
#undef  EXCEPTION
#undef  CONSTRUCTEX
#undef  CONSUME
#undef  LRECOVER
#undef  MARK
#undef  REWIND
#undef  REWINDLAST
#undef  BACKTRACKING
#undef  MATCHANY
#undef  MEMOIZE
#undef  HAVEPARSEDRULE
#undef  GETTEXT
#undef  INDEX
#undef  SEEK
#undef  PUSHSTREAM
#undef  POPSTREAM
#undef  SETTEXT
#undef  SETTEXT8

#define  LEXER    ctx->pLexer
#define  RECOGNIZER  LEXER->rec
#define  LEXSTATE  RECOGNIZER->state
#define  TOKSOURCE  LEXSTATE->tokSource
#define  GETCHARINDEX()  LEXER->getCharIndex(LEXER)
#define  GETLINE()  LEXER->getLine(LEXER)
#define
    GETTEXT()  LEXER->getText(LEXER)
#define  GETCHARPOSITIONINLINE()  LEXER->getCharPositionInLine(LEXER)
#define  EMIT()  LEXSTATE->type = _type; LEXER->emit(LEXER)
#define  EMITNEW(t)  LEXER->emitNew(LEXER, t)
#define  MATCHC(c)  LEXER->matchc(LEXER, c)
#define  MATCHS(s)  LEXER->matchs(LEXER, s)
#define  MATCHRANGE(c1,c2)  LEXER->matchRange(LEXER, c1, c2)
#define  MATCHANY()  LEXER->matchAny(LEXER)
#define  LTOKEN  LEXSTATE->token
#define  HASFAILED()  (LEXSTATE->failed == ANTLR3_TRUE)
#define  BACKTRACKING  LEXSTATE->backtracking
#define  FAILEDFLAG  LEXSTATE->failed
#define  INPUT  LEXER->input
#define  STRSTREAM  INPUT
#define  ISTREAM  INPUT->istream
#define  INDEX()  ISTREAM->index(ISTREAM)
#define  SEEK(n)  ISTREAM->seek(ISTREAM, n)
#define  EOF_TOKEN  &(LEXSTATE->tokSource->eofToken)
#define  HASEXCEPTION()  (LEXSTATE->error == ANTLR3_TRUE)
#define

```

```

EXCEPTION LEXSTATE->exception
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define LRECOVER() LEXER->recover(LEXER)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define MEMOIZE(ri,si) RECOGNIZER->memoize(RECOGNIZER, ri, si)
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER, r)
#define PUSHSTREAM(str) LEXER->pushCharStream(LEXER, str)
#define POPSTREAM() LEXER->popCharStream(LEXER)
#define SETTEXT(str) LEXSTATE->text = str
#define SKIP() LEXSTATE->token = &(TOKSOURCE->skipToken)
#define USER1 LEXSTATE->user1
#define USER2 LEXSTATE->user2
#define USER3 LEXSTATE->user3
#define CUSTOM LEXSTATE->custom
#define RULEMEMO LEXSTATE->ruleMemo
#define DBG RECOGNIZER->debugger

/* If we have been told we can rely on the standard 8 bit or UTF16 input
 * stream, then we
 * can define our macros to use the direct pointers
 * in the input object, which is much faster than indirect calls. This
 * is really only significant to lexers with a lot of fragment rules (which
 * do not place LA(1) in a temporary at the moment) and even then
 * only if there is a lot of input (order of say 1M or so).
 */
#if defined(ANTLR3_INLINE_INPUT_8BIT) || defined(ANTLR3_INLINE_INPUT_UTF16)

# ifdef ANTLR3_INLINE_INPUT_8BIT

/* 8 bit character set */

# define NEXTCHAR ((pANTLR3_UINT8)(INPUT->nextChar))
# define DATAP ((pANTLR3_UINT8)(INPUT->data))

# else

# define NEXTCHAR ((pANTLR3_UINT16)(INPUT->nextChar))
# define DATAP ((pANTLR3_UINT16)(INPUT->data))

# endif

# define LA(n) ((NEXTCHAR + n) > (DATAP + INPUT->sizeBuf) ? ANTLR3_CHARSTREAM_EOF :
(ANTLR3_UCHAR)*(NEXTCHAR + n - 1))
# define CONSUME() \
{

```

```

\\
if (NEXTCHAR < (DATAP + INPUT->sizeBuf))      \\
{
    INPUT->charPositionInLine++;                \\
    if ((ANTLR3_UCHAR)(*NEXTCHAR) == INPUT->newlineChar) \\
    {
        INPUT->line++;                          \\
        INPUT->charPositionInLine = 0;          \\
        INPUT->currentLine = (void*)(NEXTCHAR + 1); \\
    }
    INPUT->nextChar = (void*)(NEXTCHAR + 1);    \\
}
}

```

```

#else

```

```

// Pick up the input character by calling the input stream implementation.

```

```

//

```

```

#define CONSUME() INPUT->istream->consume(INPUT->istream)

```

```

#define

```

```

    LA(n) INPUT->istream->_LA(INPUT->istream, n)

```

```

#endif

```

```

<endif>

```

```

<if(PARSER)>

```

```

/* Macros for accessing things in the parser

```

```

*/

```

```

#undef PARSER

```

```

#undef RECOGNIZER

```

```

#undef HAVEPARSEDRULE

```

```

#undef MEMOIZE

```

```

#undef INPUT

```

```

#undef STRSTREAM

```

```

#undef HASEXCEPTION

```

```

#undef EXCEPTION

```

```

#undef MATCHT

```

```

#undef MATCHANYT

```

```

#undef FOLLOWSTACK

```

```

#undef FOLLOWPUSH

```

```

#undef FOLLOWPOP

```

```

#undef PRECOVER

```

```

#undef PREPORTERROR

```

```

#undef LA

```

```

#undef LT

```

```

#undef CONSTRUCTEX

```

```

#undef CONSUME

```



```

#undef MARK
#undef REWIND
#undef REWINDLAST
#undef PERRORRECOVERY
#undef HASFAILED
#undef FAILEDFLAG
#undef RECOVERFROMMISMATCHEDSET
#undef RECOVERFROMMISMATCHEDELEMENT
#undef INDEX
#undef ADAPTOR
#undef SEEK
#undef RULEMEMO
#undef DBG

#define PARSER ctx->pParser
#define RECOGNIZER PARSER->rec
#define PSRSTATE RECOGNIZER->state
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER,
r)
#define MEMOIZE(ri,si) RECOGNIZER->memoize(RECOGNIZER, ri, si)
#define INPUT PARSER->tstream
#define STRSTREAM INPUT
#define ISTREAM INPUT->istream
#define INDEX() ISTREAM->index(INPUT->istream)
#define HASEXCEPTION() (PSRSTATE->error == ANTLR3_TRUE)
#define EXCEPTION PSRSTATE->exception
#define MATCHT(t, fs) RECOGNIZER->match(RECOGNIZER, t, fs)
#define MATCHANYT() RECOGNIZER->matchAny(RECOGNIZER)
#define FOLLOWSTACK PSRSTATE->following
#ifdef SKIP_FOLLOW_SETS
#define FOLLOWPUSH(x)
#define FOLLOWPOP()
#else
#define FOLLOWPUSH(x) FOLLOWSTACK->push(FOLLOWSTACK, ((void *)&(x)), NULL)
#define FOLLOWPOP() FOLLOWSTACK->pop(FOLLOWSTACK)
#endif
#define PRECOVER() RECOGNIZER->recover(RECOGNIZER)
#define PREPORTERROR() RECOGNIZER->reportError(RECOGNIZER)
#define LA(n) INPUT->istream->_LA(ISTREAM, n)
#define LT(n) INPUT->_LT(INPUT,
n)
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define CONSUME() ISTREAM->consume(ISTREAM)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define SEEK(n) ISTREAM->seek(ISTREAM, n)
#define PERRORRECOVERY PSRSTATE->errorRecovery

```

```

#define FAILEDFLAG PSRSTATE->failed
#define HASFAILED() (FAILEDFLAG == ANTLR3_TRUE)
#define BACKTRACKING PSRSTATE->backtracking
#define RECOVERFROMMISMATCHEDSET(s) RECOGNIZER->recoverFromMismatchedSet(RECOGNIZER,
s)
#define RECOVERFROMMISMATCHEDELEMENT(e) RECOGNIZER-
>recoverFromMismatchedElement(RECOGNIZER, s)
#define ADAPTOR          ctx->adaptor
#define RULEMEMO         PSRSTATE->ruleMemo
#define DBG              RECOGNIZER->debugger

```

```
<endif>
```

```
<if(TREE_PARSER)>
```

```
/* Macros for accessing things in the parser
```

```
*/
```

```

#undef  PARSER
#undef
    RECOGNIZER
#undef  HAVEPARSEDRULE
#undef  INPUT
#undef  STRSTREAM
#undef  HASEXCEPTION
#undef  EXCEPTION
#undef  MATCHT
#undef  MATCHANYT
#undef  FOLLOWSTACK
#undef  FOLLOWPUSH
#undef  FOLLOWPOP
#undef  PRECOVER
#undef  PREPORTERROR
#undef  LA
#undef  LT
#undef  CONSTRUCTEX
#undef  CONSUME
#undef  MARK
#undef  REWIND
#undef  REWINDLAST
#undef  PERRORRECOVERY
#undef  HASFAILED
#undef  FAILEDFLAG
#undef  RECOVERFROMMISMATCHEDSET
#undef  RECOVERFROMMISMATCHEDELEMENT
#undef  BACKTRACKING
#undef  ADAPTOR
#undef  RULEMEMO
#undef  SEEK

```

```

#undef INDEX
#undef DBG

#define PARSEER ctx->pTreeParser
#define RECOGNIZER PARSEER->rec
#define PSRSTATE RECOGNIZER->state
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER, r)
#define INPUT PARSEER->ctnstream
#define ISTREAM INPUT->tnstream->istream
#define STRSTREAM INPUT->tnstream
#define
    HASEXCEPTION() (PSRSTATE->error == ANTLR3_TRUE)
#define EXCEPTION PSRSTATE->exception
#define MATCHT(t, fs) RECOGNIZER->match(RECOGNIZER, t, fs)
#define MATCHANYT() RECOGNIZER->matchAny(RECOGNIZER)
#define FOLLOWSTACK PSRSTATE->following
#define FOLLOWPUSH(x) FOLLOWSTACK->push(FOLLOWSTACK, ((void *)&(x)), NULL)
#define FOLLOWPOP() FOLLOWSTACK->pop(FOLLOWSTACK)
#define PRECOVER() RECOGNIZER->recover(RECOGNIZER)
#define PREPORTERROR() RECOGNIZER->reportError(RECOGNIZER)
#define LA(n) ISTREAM->_LA(ISTREAM, n)
#define LT(n) INPUT->tnstream->_LT(INPUT->tnstream, n)
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define CONSUME() ISTREAM->consume(ISTREAM)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define
    PERRORRECOVERY PSRSTATE->errorRecovery
#define FAILEDFLAG PSRSTATE->failed
#define HASFAILED() (FAILEDFLAG == ANTLR3_TRUE)
#define BACKTRACKING PSRSTATE->backtracking
#define RECOVERFROMMISMATCHEDSET(s) RECOGNIZER->recoverFromMismatchedSet(RECOGNIZER,
s)
#define RECOVERFROMMISMATCHEDELEMENT(e) RECOGNIZER-
>recoverFromMismatchedElement(RECOGNIZER, s)
#define ADAPTOR INPUT->adaptor
#define RULEMEMO PSRSTATE->ruleMemo
#define SEEK(n) ISTREAM->seek(ISTREAM, n)
#define INDEX() ISTREAM->index(ISTREAM)
#define DBG RECOGNIZER->debugger

<endif>

#define TOKTEXT(tok, txt) tok, (pANTLR3_UINT8)txt

```

/* The 4 tokens defined below may well clash with your own #defines or token types. If so

* then for the present you must use different names for your defines as these are hard coded
* in the code generator. It would be better not to use such names internally, and maybe
* we can
change this in a forthcoming release. I deliberately do not #undef these
* here as this will at least give you a redefined error somewhere if they clash.

*/

```
#define UP ANTLR3_TOKEN_UP
#define DOWN ANTLR3_TOKEN_DOWN
#define EOR ANTLR3_TOKEN_EOR
#define INVALID ANTLR3_TOKEN_INVALID
```

/* =====

* Functions to create and destroy scopes. First come the rule scopes, followed
* by the global declared scopes.

*/

```
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
<ruleAttributeScopeFuncDecl(scope=r.ruleDescriptor.ruleScope)>
<ruleAttributeScopeFuncs(scope=r.ruleDescriptor.ruleScope)>
<endif>}>
```

```
<recognizer.scopes:{it | <if(it.isDynamicGlobalScope)>
<globalAttributeScopeFuncDecl(it)>
<globalAttributeScopeFuncs(it)>
<endif>}>
```

/* ===== */

/* =====

* Start of recognizer

*/

```
<recognizer>
```

/* End of code

* =====

*/

>>

```
headerFileExtension() ::= ".h"
```

```
headerFile( LEXER,
            PARSER,
            TREE_PARSER,
            actionScope,
            actions,
            docComment,
```

```

recognizer,
name,
tokens,
tokenNames,
rules,
cyclicDFAs,
bitsets,
buildTemplate,
buildAST,
rewriteMode,
profile,
backtracking,
synpreds,
memoize,
numRules,
fileName,
ANTLRVersion,
generatedTimestamp,
trace,
scopes,
superClass,
literals
) ::=
<<
<leadIn("C header")>
<if(PARSER)>
* The parser <mainName()>
<endif>
<if(LEXER)>
* The lexer <mainName()>
<endif>
<if(TREE_PARSER)>
* The tree parser <mainName()>
<endif>
has the callable functions (rules) shown below,
* which will invoke the code for the associated rule in the source grammar
* assuming that the input stream is pointing to a token/text stream that could begin
* this rule.
*
* For instance if you call the first (topmost) rule in a parser grammar, you will
* get the results of a full parse, but calling a rule half way through the grammar will
* allow you to pass part of a full token stream to the parser, such as for syntax checking
* in editors and so on.
*
* The parser entry points are called indirectly (by function pointer to function) via
* a parser context typedef p<name>, which is returned from a call to <name>New().
*
<if(LEXER)>

```

* As this is a generated lexer, it is unlikely you will call it 'manually'. However

* the methods are provided anyway.

*

<endif>

* The methods in p<name> are as follows:

*

* <rules:{r | <if(!r.ruleDescriptor.isSynPred)>

- <headerReturnType(ruleDescriptor=r.ruleDescriptor,...)> p<name>-
><r.ruleDescriptor.name>(p<name><endif>}; separator="\n * ">

*

* The return type for any particular rule is of course determined by the source

* grammar file.

*/

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// <http://www.linkedin.com/in/jimidle>

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#ifndef _<name>_H

#define _<name>_H

<actions.(actionScope).preincludes>

/* =====

```

* Standard antlr3 C runtime definitions
*/
#include <antlr3.h>

/* End of standard antlr 3 runtime definitions
* =====
*/
<actions.(actionScope).includes>

#ifdef __cplusplus
extern "C" {
#endif

// Forward declare the context typedef so that we can use it before it is
// properly defined. Delegates and delegates (from import statements) are
// interdependent and their context structures contain pointers to each other
// C only allows such things to be declared if you pre-declare the typedef.
//
typedef struct <name>_Ctx_struct <name>, * p<name>;

<if(recognizer.grammar.delegates)>
// Include delegate definition header files
//
<recognizer.grammar.delegates: {g|#include \<<g.recognizerName>.h>}; separator="\n">

<endif>

<actions.(actionScope).header>

#ifdef ANTLR3_WINDOWS
// Disable: Unreferenced parameter, - Rules with parameters that are not
// used
// constant conditional, - ANTLR realizes that a prediction is always true (synpred usually)
// initialized but unused variable - tree rewrite variables declared but not needed
// Unreferenced local variable - lexer rule declares but does not always use _type
// potentially uninitialized variable used - retval always returned from a rule
// unreferenced local function has been removed - susually getTokenNames or freeScope, they can go without
// warnigns
//
// These are only really displayed at warning level /W4 but that is the code ideal I am aiming at
// and the codegen must generate some of these warnings by necessity, apart from 4100, which is
// usually generated when a parser rule is given a parameter that it does not use. Mostly though
// this is a matter of orthogonality hence I disable that one.
//
#pragma warning( disable : 4100 )
#pragma warning( disable : 4101 )
#pragma warning( disable : 4127 )

```

```

#pragma warning(
  disable : 4189 )
#pragma warning( disable : 4505 )
#pragma warning( disable : 4701 )
#endif
<if(backtracking)>

/* =====
 * BACKTRACKING IS ENABLED
 * =====
 */
<endif>

<rules:{r |<headerReturnScope(ruleDescriptor=r.ruleDescriptor,...)>}>

<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDecl(it)><endif>}>
<rules:{r |<ruleAttributeScopeDecl(scope=r.ruleDescriptor.ruleScope)>}>
<if(recognizer.grammar.delegators)>
// Include delegator definition header files
//
<recognizer.grammar.delegators: {g|#include \<<g.recognizerName>.h}; separator="\n">

<endif>

/** Context tracking structure for <mainName()>
 */
struct <name>_Ctx_struct
{
  /** Built in ANTLR3 context tracker contains all the generic elements
   * required for context tracking.
   */
  <if(PARSER)>
    pANTLR3_PARSER  pParser;
  <endif>
  <if(LEXER)>
    pANTLR3_LEXER  pLexer;
  <endif>
  <if(TREE_PARSER)>
    pANTLR3_TREE_PARSER
    pTreeParser;
  <endif>

  <if(recognizer.grammar.delegates)>
    <recognizer.grammar.delegates:
      {g|p<g.recognizerName> <g.delegateName()>;}; separator="\n">
  <endif>
  <if(recognizer.grammar.delegators)>
    <recognizer.grammar.delegators:

```



```

    {g|p<g.recognizerName> <g.delegateName(>);}; separator="\n">
<endif>
<scopes:{it | <if(it.isDynamicGlobalScope)>
    <globalAttributeScopeDef(it)>
<endif>}; separator="\n\n">
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
    <ruleAttributeScopeDef(scope=r.ruleDescriptor.ruleScope)>
<endif>}>

<if(LEXER)>
    <rules:{r | <if(!r.ruleDescriptor.isSynPred)><headerReturnType(ruleDescriptor=r.ruleDescriptor)>
(*m<r.ruleDescriptor.name>) (struct <name>_Ctx_struct * ctx<if(r.ruleDescriptor.parameterScope)>,
<endif><r.ruleDescriptor.parameterScope:parameterScope(>);<endif>}; separator="\n">
<endif>
<if(!LEXER)>
    <rules:{r | <headerReturnType(ruleDescriptor=r.ruleDescriptor)> (*<r.ruleDescriptor.name>) (struct
<name>_Ctx_struct
    * ctx<if(r.ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope(>);};
separator="\n">
<! generate rule/method definitions for imported rules so they
    appear to be defined in this recognizer. !>
    // Delegated rules
<recognizer.grammar.delegatedRules:{ruleDescriptor|
    <headerReturnType(ruleDescriptor)> (*<ruleDescriptor.name>)(struct <name>_Ctx_struct *
ctx<if(ruleDescriptor.parameterScope)>, <endif><ruleDescriptor.parameterScope:parameterScope(>);};
separator="\n">
<endif>

    const char * (*getGrammarFileName());
    void (*reset) (struct <name>_Ctx_struct * ctx);
    void (*free) (struct <name>_Ctx_struct * ctx);
    <@members>
    <@end>
    <actions.(actionScope).context>
};

// Function prototypes for the constructor functions that external translation units
// such as delegators and delegates may wish to call.
//
ANTLR3_API p<name> <name>New (<inputType(>) instream<recognizer.grammar.delegators:{g|,
p<g.recognizerName> <g.delegateName(>}&>);
ANTLR3_API p<name> <name>NewSSD (<inputType(>) instream,
pANTLR3_RECOGNIZER_SHARED_STATE state<recognizer.grammar.delegators:{g|, p<g.recognizerName>
<g.delegateName(>}&>);
<if(!recognizer.grammar.grammarIsRoot)>
extern pANTLR3_UINT8 <recognizer.grammar.composite.rootGrammar.recognizerName>TokenNames[];
<endif>

```

```

/** Symbolic definitions of all the tokens that the <grammarType()> will work with.
 * \{
 *
 * Antlr will define EOF, but we can't use that as it is too common in
 * in C header files and that would be confusing. There is no way to filter this out at the moment
 * so we just undef it here for now. That isn't the value we get back from C recognizers
 * anyway. We are looking for ANTLR3_TOKEN_EOF.
 */
#ifndef EOF
#undef EOF
#endif
#ifndef Tokens
#undef Tokens
#endif
<tokens:{it | #define <it.name>    <it.type>}; separator="\n">
#ifndef EOF
#undef EOF
#define EOF ANTLR3_TOKEN_EOF
#endif

#endif
    TOKENSOURCE
#define TOKENSOURCE(lxr) lxr->pLexer->rec->state->tokSource
#endif

/* End of token definitions for <name>
 * =====
 */
/** \} */

#ifdef __cplusplus
}
#endif

#endif

/* END - Note:Keep extra line feed to satisfy UNIX systems */

>>

inputType() ::= <<
<if(LEXER)>
pANTLR3_INPUT_STREAM
<endif>
<if(PARSER)>
pANTLR3_COMMON_TOKEN_STREAM
<endif>

```

```

<if(TREE_PARSER)>
pANTLR3_COMMON_TREE_NODE_STREAM
<endif>
>>

grammarType() ::= <<
<if(PARSER)>
parser
<endif>
<if(LEXER)>
lexer
<endif>
<if(TREE_PARSER)>
tree parser
<endif>
>>

mainName() ::= <<
<if(PARSER)>
<name>
<endif>
<if(LEXER)>
<name>
<endif>
<if(TREE_PARSER)>
<name>
<endif>
>>

headerReturnScope(ruleDescriptor) ::= "<returnScope(...)>"

headerReturnType(ruleDescriptor) ::= <<
<if(LEXER)>
<if(!ruleDescriptor.isSynPred)>
void
<else>
<returnType()>
<endif>
<else>
<returnType()>
<endif>
>>

//
// Produce the lexer output
//
lexer( grammar,
      name,

```

```

tokens,
scopes,
rules,
numRules,
filterMode,
superClass,
labelType="pANTLR3_COMMON_TOKEN") ::= <<

<if(filterMode)>
/* Forward declare implementation function for ANTLR3_TOKEN_SOURCE interface when
* this is a filter mode lexer.
*/
static pANTLR3_COMMON_TOKEN <name>NextToken (pANTLR3_TOKEN_SOURCE toksource);

/* Override the normal MEMOIZE and HAVEALREADYPARSED macros as this is a filtering
* lexer. In filter mode, the memoizing and backtracking are gated at BACKTRACKING > 1 rather
* than just BACKTRACKING. In some cases this might generate code akin to:
* if (BACKTRACKING) if (BACKTRACKING > 1) memoize.
* However, I assume that the C compilers/optimizers are smart enough to work this one out
* these days - Jim
*/
#undef MEMOIZE
#define MEMOIZE(ri,si) if (BACKTRACKING>1) { RECOGNIZER->memoize(RECOGNIZER, ri, si) }
#undef HAVEPARSEDRULE
#define HAVEPARSEDRULE(r) if
(BACKTRACKING>1) { RECOGNIZER->alreadyParsedRule(RECOGNIZER, r) }
<endif>

/* Forward declare the locally static matching functions we have generated and any predicate functions.
*/
<rules:{r | static ANTLR3_INLINE <headerReturnType(ruleDescriptor=r.ruleDescriptor)>
<if(!r.ruleDescriptor.isSynPred)>m<endif><r.ruleDescriptor.name> (p<name>
ctx<if(r.ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope()>);};
separator="\n">
static void <name>Free(p<name> ctx);

/* =====
* Lexer matching rules end.
* =====
*/

<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<actions.lexer.members>

static void
<name>Free (p<name> ctx)
{

```

```

<if(memoize)>
if (RULEMEMO != NULL)
{
RULEMEMO->free(RULEMEMO);
RULEMEMO = NULL;
}
<endif>
<if(grammar.directDelegates)>
//
Free the lexers that we delegated to
// functions to. NULL the state so we only free it once.
//
<grammar.directDelegates:
    {g|ctx-><g:delegateName()>->pLexer->rec->state = NULL;
    ctx-><g:delegateName()>->free(ctx-><g:delegateName()>);}; separator="\n">
<endif>
LEXER->free(LEXER);

ANTLR3_FREE(ctx);
}

static void
<name>Reset (p<name> ctx)
{
    RECOGNIZER->reset(RECOGNIZER);
}

/** \brief Name of the grammar file that generated this code
*/
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
*/
static const char * getGrammarFileName()
{
    return fileName;
}

<if(filterMode)>
    <filteringNextToken()>
<endif>

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \return
* - Success p<name> initialized for the lex start
* - Fail NULL

```

```

*/
ANTLR3_API
p<name> <name>New
(<inputType(>) instream<grammar.delegators:{g|, p<g.recognizerName> <g.delegateName(>>>)
{
// See if we can create a new lexer with the standard constructor
//
return <name>NewSSD(instream, NULL<grammar.delegators:{g|, <g.delegateName(>>>));
}

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \param[state] state Previously created shared recognizer stat
* \return
* - Success p<name> initialized for the lex start
* - Fail NULL
*/
ANTLR3_API p<name> <name>NewSSD
(pANTLR3_INPUT_STREAM instream, pANTLR3_RECOGNIZER_SHARED_STATE
state<grammar.delegators:{g|, p<g.recognizerName> <g.delegateName(>>>)
{
p<name> ctx; // Context structure we will build and return

ctx = (p<name>) ANTLR3_CALLOC(1, sizeof(<name>));

if (ctx == NULL)
{
// Failed to allocate memory for lexer context
return NULL;
}

/* -----
* Memory for basic structure is allocated, now to fill in
* in base ANTLR3 structures. We initialize the function pointers
* for the standard ANTLR3 lexer function set, but upon return
* from here, the programmer may set the pointers to provide custom
* implementations of each function.
*
* We don't use the macros defined in <name>.h here so you can get a sense
* of what goes where.
*/

/* Create a base lexer, using the supplied input stream
*/
ctx->pLexer = antlr3LexerNewStream(ANTLR3_SIZE_HINT, instream, state);

/* Check that we allocated the memory correctly

```

```

    */
    if (ctx->pLexer == NULL)
    {
        ANTLR3_FREE(ctx);
        return NULL;
    }
<if(memoize)>
<if(grammar.grammarIsRoot)>
    // Create a LIST for recording rule memos.
    //
    ctx->pLexer->rec->ruleMemo = antlr3IntTrieNew(15); /* 16 bit depth is enough for 32768 rules! */
<endif>
<endif>

    /* Install the implementation of our <name> interface
    */
    <rules:{r | <if(!r.ruleDescriptor.isSynPred)>ctx->m<r.ruleDescriptor.name> =
m<r.ruleDescriptor.name>;<endif>}; separator="\n">

    /** When the nextToken() call is made to this lexer's pANTLR3_TOKEN_SOURCE
    * it will call mTokens() in this generated code, and will pass it the ctx
    * pointer of this lexer, not the context of the base lexer, so store that now.
    */
    ctx->pLexer->ctx = ctx;

    /**Install the token matching function
    */
    ctx->pLexer->mTokens = (void (*)(void *))(mTokens);

    ctx->getGrammarFileName = getGrammarFileName;
    ctx->free = <name>Free;
    ctx->reset = <name>Reset;

<if(grammar.directDelegates)>
    // Initialize the lexers that we are going to delegate some
    // functions to.
    //
    <grammar.directDelegates:
        {g|ctx-><g.delegateName()> = <g.recognizerName>NewSSD(instream, ctx->pLexer->rec->state,
ctx<grammar.delegators:{g|
<g.delegateName()>}>}; separator="\n">
    <endif>
<if(grammar.delegators)>
    // Install the pointers back to lexers that will delegate us to perform certain functions
    // for them.
    //
    <grammar.delegators:
        {g|ctx-><g.delegateName()> = <g.delegateName()>;}; separator="\n">

```

```

<endif>
<if(filterMode)>
  /* We have filter mode turned on, so install the filtering nextToken function
  */
  ctx->pLexer->rec->state->tokSource->nextToken = <name>NextToken;
<endif>
<actions.lexer.apifuncs>

  /* Return the newly built lexer to the caller
  */
  return ctx;
}
<if(cyclicDFAs)>

/* =====
* DFA tables for the lexer
*/
<cyclicDFAs:cyclicDFA(> <! dump tables for all DFA !>
/* =====
* End of DFA tables for the lexer
*/
<endif>

/* =====
* Functions to match the lexer grammar defined tokens from the input stream
*/

<rules; separator="\n\n">

/* =====
* Lexer matching rules end.
* =====
*/
<if(synpreds)>

/* =====
* Lexer syntactic predicates
*/
<synpreds:{ p | <lexerSynpred(predname=p)> }>
/* =====
* Lexer syntactic predicates end.
* =====
*/
<endif>

/* End of Lexer code
* =====
* =====

```



```
*/
```

```
>>
```

```
filteringNextToken() ::= <<
```

```
/** An override of the lexer's nextToken() method that backtracks over mTokens() looking
```

```
* for matches in lexer filterMode. No error
```

```
can be generated upon error; just rewind, consume
```

```
* a token and then try again. BACKTRACKING needs to be set as well.
```

```
* Make rule memoization happen only at levels above 1 as we start mTokens
```

```
* at BACKTRACKING==1.
```

```
*/
```

```
static pANTLR3_COMMON_TOKEN
```

```
<name>NextToken(pANTLR3_TOKEN_SOURCE toksource)
```

```
{
```

```
    pANTLR3_LEXER lexer;
```

```
    pANTLR3_RECOGNIZER_SHARED_STATE state;
```

```
    lexer = (pANTLR3_LEXER)(toksource->super);
```

```
    state = lexer->rec->state;
```

```
    /* Get rid of any previous token (token factory takes care of
```

```
    * any deallocation when this token is finally used up.
```

```
    */
```

```
    state ->token = NULL;
```

```
    state ->error = ANTLR3_FALSE; /* Start out without an exception */
```

```
    state ->failed = ANTLR3_FALSE;
```

```
    /* Record the start of the token in our input stream.
```

```
    */
```

```
    state->tokenStartCharIndex = lexer->input->istream->index(lexer->input->istream);
```

```
    state->tokenStartCharPositionInLine = lexer->input->getCharPositionInLine(lexer->input);
```

```
    state->tokenStartLine = lexer->input->getLine(lexer->input);
```

```
    state->text = NULL;
```

```
    /* Now call the matching rules and see if we can generate a new token
```

```
    */
```

```
    for (;;) 
```

```
    {
```

```
    if (lexer->input->istream->_LA(lexer->input->istream, 1) == ANTLR3_CHARSTREAM_EOF)
```

```
    {
```

```
    /* Reached the end of the stream, nothing more to do.
```

```
    */
```

```
    pANTLR3_COMMON_TOKEN teof = &(toksource->eofToken);
```

```
    teof->setStartIndex (teof, lexer->getCharIndex(lexer));
```

```
    teof->setStopIndex (teof, lexer->getCharIndex(lexer));
```

```

teof->setLine (teof, lexer->getLine(lexer));
return teof;
}

state->token = NULL;
state->error = ANTLR3_FALSE; /* Start out without an exception */

{
  ANTLR3_MARKER m;

  m = lexer->input->istream->mark(lexer->input->istream);
  state->backtracking = 1; /* No exceptions */
  state->failed = ANTLR3_FALSE;

  /* Call the generated lexer, see if it can get a new token together.
  */
  lexer->mTokens(lexer->ctx);
  state->backtracking = 0;

  <! mTokens backtracks with synpred at BACKTRACKING==2
  and we set the synpredgate to allow actions at level 1. !>

  if (state->failed == ANTLR3_TRUE)
  {
    lexer->input->istream->rewind(lexer->input->istream, m);
    lexer->input->istream->consume(lexer->input->istream); <! advance one char and try again !>
  }
  else
  {
    lexer->emit(lexer); /* Assemble the token and emit it to the stream */
    return state->token;
  }
}
}
>>

```

```

actionGate() ::= "BACKTRACKING==0"

```

```

filteringActionGate() ::= "BACKTRACKING==1"

```

```

/** How to generate a parser */

```

```

genericParser( grammar,
  name,
    scopes,
    tokens,
    tokenNames,
    rules,

```

```

        numRules,
        bitsets,
        inputStreamType,
        superClass,
        labelType,
members,
rewriteElementType, filterMode,
        ASTLabelType="pANTLR3_BASE_TREE"
    ) ::= <<

<if(grammar.grammarIsRoot)>
/** \brief Table of all token names in symbolic order, mainly used for
 *   error reporting.
 */
pANTLR3_UINT8 <name>TokenNames[<length(tokenNames)>+4]
= {
    (pANTLR3_UINT8) "\<invalid>", /* String to print to indicate an invalid token */
    (pANTLR3_UINT8) "\<EOR>",
    (pANTLR3_UINT8) "\<DOWN>",
    (pANTLR3_UINT8) "\<UP>",
    <tokenNames:{it |(pANTLR3_UINT8) <it>; separator=",\n">
    };
<endif>

<@members>

<@end>
<rules:{r |<ruleAttributeScopeFuncMacro(scope=r.ruleDescriptor.ruleScope)>>
<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScopeFuncMacro(it)><endif>>}>

// Forward declare the locally static matching functions we have generated.
//
<rules:{r | static <headerReturnType(ruleDescriptor=r.ruleDescriptor)> <r.ruleDescriptor.name> (p<name>
ctx<if(r.ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope()>);
separator="\n">
static void <name>Free(p<name> ctx);
static void <name>Reset (p<name> ctx);

<if(!LEXER)>
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
<if(recognizer.grammar.delegatedRules)>
// Delegated rules
//
<recognizer.grammar.delegatedRules:{ruleDescriptor|static <headerReturnType(ruleDescriptor)>
<ruleDescriptor.name>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><ruleDescriptor.parameterScope:parameterScope()>); separator="\n">

```

```

<endif>
<endif>

/* For use in tree output where we are accumulating rule labels via label += ruleRef
 * we need a function that knows how to free a return scope when the list is destroyed.
 * We cannot just use ANTLR3_FREE because in debug tracking mode, this is a macro.
 */
static void ANTLR3_CDECL freeScope(void * scope)
{
    ANTLR3_FREE(scope);
}

/** \brief Name of the grammar file that
    generated this code
 */
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
 */
static const char * getGrammarFileName()
{
    return fileName;
}

/** \brief Create a new <name> parser and return a context for it.
 *
 * \param[in] instream Pointer to an input stream interface.
 *
 * \return Pointer to new parser context upon success.
 */
ANTLR3_API p<name>
<name>New (<inputStreamType> instream<grammar.delegators:{g|, p<g.recognizerName>
<g.delegateName(>>>)
{
    // See if we can create a new parser with the standard constructor
    //
    return <name>NewSSD(instream, NULL<grammar.delegators:{g|, <g.delegateName(>>>);
}

/** \brief Create a new <name> parser and return a context for it.
 *
 * \param[in] instream Pointer to an input stream interface.
 *
 * \return Pointer to new parser context upon success.
 */
ANTLR3_API p<name>
<name>NewSSD (<inputStreamType> instream, pANTLR3_RECOGNIZER_SHARED_STATE

```

```

state<grammar.delegators:{g|, p<g.recognizerName> <g.delegateName()>}>
{
    p<name> ctx;    /* Context structure we will build and return */

    ctx = (p<name>) ANTLR3_CALLOC(1, sizeof(<name>));

    if (ctx == NULL)
    {
        // Failed to allocate memory for parser context
        //
        return NULL;
    }

    /* -----
    * Memory for basic structure is allocated, now to fill in
    * the base ANTLR3 structures. We initialize the function pointers
    * for the standard ANTLR3 parser function set, but upon return
    * from here, the programmer may set the pointers to provide custom
    * implementations of each function.
    *
    * We don't use the macros defined in <name>.h here, in order that you can get a sense
    * of what goes where.
    */

<if(PARSER)>
    /* Create a base parser/recognizer, using the supplied token stream
    */
    ctx->pParser = antlr3ParserNewStream(ANTLR3_SIZE_HINT,
    instream->tstream, state);
<endif>
<if(TREE_PARSER)>
    /* Create a base Tree parser/recognizer, using the supplied tree node stream
    */
    ctx->pTreeParser = antlr3TreeParserNewStream(ANTLR3_SIZE_HINT, instream, state);
<endif>

    /* Install the implementation of our <name> interface
    */
    <rules:{r | ctx-><r.ruleDescriptor.name> = <r.ruleDescriptor.name>;}; separator="\n">
<if(grammar.delegatedRules)>
    // Install the delegated methods so that they appear to be a part of this
    // parser
    //
    <grammar.delegatedRules:{ruleDescriptor | ctx-><ruleDescriptor.name> = <ruleDescriptor.name>;};
    separator="\n">
<endif>

    ctx->free = <name>Free;

```

```

ctx->reset = <name>Reset;
ctx->getGrammarFileName = getGrammarFileName;

/* Install the scope pushing methods.
*/
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
<ruleAttributeScope(scope=r.ruleDescriptor.ruleScope)><\n>
<endif>}>
  <recognizer.scopes:{it
|<if(it.isDynamicGlobalScope)>
<globalAttributeScope(it)><\n>
<endif>}>
  <@apifuncs>

  <@end>
<if(grammar.directDelegates)>
// Initialize the parsers that we are going to delegate some
// functions to.
//
<grammar.directDelegates:
  {g|ctx-><g.delegateName()> = <g.recognizerName>NewSSD(instream, PSRSTATE,
ctx->grammar.delegates:{g, <g.delegateName()>});}; separator="\n">
<endif>
<if(grammar.delegates)>
// Install the pointers back to parsers that will delegate us to perform certain functions
// for them.
//
<grammar.delegates:
  {g|ctx-><g.delegateName()> = <g.delegateName()>};}; separator="\n">
<endif>
  <actions.parser.apifuncs>
  <actions.treeparser.apifuncs>
<if(memoize)>
<if(grammar.grammarIsRoot)>
  /* Create a LIST for recording rule memos.
  */
  RULEMEMO = antlr3IntTrieNew(15); /* 16 bit depth is enough for 32768 rules! */<\n>
<endif>
<endif>
  /* Install the token table
  */
  PSRSTATE->tokenNames
= <grammar.composite.rootGrammar.recognizerName>TokenNames;

  <@debugStuff()>

  /* Return the newly built parser to the caller
  */

```

```

    return ctx;
}

static void
<name>Reset (p<name> ctx)
{
    RECOGNIZER->reset(RECOGNIZER);
}

/** Free the parser resources
*/
static void
<name>Free(p<name> ctx)
{
    /* Free any scope memory
    */
    <rules: {r
|if(r.ruleDescriptor.ruleScope)><ruleAttributeScopeFree(scope=r.ruleDescriptor.ruleScope)><\n><endif> }>
    <recognizer.scopes: {it |<if(it.isDynamicGlobalScope)><globalAttributeScopeFree(it)><\n><endif> }>

    <@cleanup>
    <@end>
<if(grammar.directDelegates)>
    // Free the parsers that we delegated to
    // functions to.NULL the state so we only free it once.
    //
    <grammar.directDelegates:
        {g| ctx-><g:delegateName()-><if(TREE_PARSER)>pTreeParser<else>pParser<endif>->rec->state = NULL;
        ctx-><g:delegateName()->free(ctx-><g:delegateName()->);}; separator="\n">
    <endif>
<if(memoize)>
<if(grammar.grammarIsRoot)>
    if (RULEMEMO
    != NULL)
    {
        RULEMEMO->free(RULEMEMO);
        RULEMEMO = NULL;
    }
    <endif>
    <endif>
    // Free this parser
    //
    <if(TREE_PARSER)>
        ctx->pTreeParser->free(ctx->pTreeParser);<\n>
    <else>
        ctx->pParser->free(ctx->pParser);<\n>
    <endif>

```

```

ANTLR3_FREE(ctx);

/* Everything is released, so we can return
*/
return;
}

/** Return token names used by this <grammarType()>
*
* The returned pointer is used as an index into the token names table (using the token
* number as the index).
*
* \return Pointer to first char * in the table.
*/
static pANTLR3_UINT8 *getTokenNames()
{
    return <grammar.composite.rootGrammar.recognizerName>TokenNames;
}

<members>

/* Declare the bitsets
*/
<bitsets:{it | <bitsetDeclare(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
    words64=it.bits)>>}>

<if(cyclicDFAs)>

/* =====
* DFA tables for the parser
*/
<cyclicDFAs:cyclicDFA() <! dump tables for all DFA !>
/* =====
* End of DFA tables for the parser
*/
<endif>

/* =====
* Parsing rules
*/
<rules; separator="\n\n">
<if(grammar.delegatedRules)>
// Delegated methods that appear to be a part of this
// parser
//
<grammar.delegatedRules:{ruleDescriptor|
    <returnType()> <ruleDescriptor.name>(p<name> ctx<if(ruleDescriptor.parameterScope.attributes)>,

```



```

<endif><ruleDescriptor.parameterScope.parameterScope(>)
  \{
    <if(ruleDescriptor.hasReturnValue)>return <endif>ctx-><ruleDescriptor.grammar.delegateName(>-
><ruleDescriptor.name>(ctx-
><ruleDescriptor.grammar.delegateName(><if(ruleDescriptor.parameterScope.attributes)>,
<endif><ruleDescriptor.parameterScope.attributes:{ a|<a.name>}; separator=", ">);
  \}); separator="\n">

<endif>
/*
End of parsing rules
* =====
*/

/* =====
* Syntactic predicates
*/
<synpreds:{ p | <synpred(predname=p)>}>
/* End of syntactic predicates
* =====
*/

>>

parser( grammar,
  name,
  scopes,
  tokens,
  tokenNames,
  rules,
  numRules,
  bitsets,
  ASTLabelType,
  superClass="Parser",
  labelType="pANTLR3_COMMON_TOKEN",
  members={<actions.parser.members>}
) ::= <<
<genericParser(inputStreamType="pANTLR3_COMMON_TOKEN_STREAM", rewriteElementType="TOKEN",
...)>
>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.
*/

```

```

treeParser( grammar,
    name,
    scopes,
    tokens,
    tokenNames,
    globalAction,
    rules,
    numRules,
    bitsets,
    filterMode,
    labelType={ <ASTLabelType> },
    ASTLabelType="pANTLR3_BASE_TREE",
    superClass="TreeParser",
    members={ <actions.treeparser.members> }
)
::= <<
<genericParser(inputStreamType="pANTLR3_COMMON_TREE_NODE_STREAM",
rewriteElementType="NODE", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
static void <ruleName>_fragment(p<name> ctx <ruleDescriptor.parameterScope:parameterScope(>
{
<ruleLabelDefs(>
<ruleLabelInitializations(>
<if(trace)>
    ANTLR3_PRINTF("enter <ruleName> %d failed = %d, backtracking = %d\n",LT(1),failed,BACKTRACKING);
    <block>
    ANTLR3_PRINTF("exit <ruleName> %d, failed = %d,
backtracking = %d\n",LT(1),failed,BACKTRACKING);

<else>
    <block>
<endif>
<ruleCleanUp(>
}
// $ANTLR end <ruleName>
>>

```

```

synpred(predname) ::= <<
static ANTLR3_BOOLEAN <predname>(p<name> ctx)
{
    ANTLR3_MARKER start;
    ANTLR3_BOOLEAN success;

    BACKTRACKING++;
    <@start()>
    start = MARK();
    <predname>_fragment(ctx); // can never throw exception
    success = !(FAILEDFLAG);
    REWIND(start);
    <@stop()>
    BACKTRACKING--;
    FAILEDFLAG = ANTLR3_FALSE;
    return success;
}<\n>
>>

lexerSynpred(predname) ::= <<
<synpred(predname)>
>>

ruleMemoization(rname) ::= <<
<if(memoize)>
if ( ( BACKTRACKING>0) && (HAVEPARSEDRULE(<ruleDescriptor.index>)) )
{
    <if(ruleDescriptor.hasMultipleReturnValues)>
    <if(!ruleDescriptor.isSynPred)>
    retval.start = 0;<\n>
    <endif>
    <endif>
    <(ruleDescriptor.actions.after):execAfter()>
    <finalCode(finalBlock=finally)>
    <if(!ruleDescriptor.isSynPred)>
    <scopeClean()><\n>
    <endif>

    return <ruleReturnValue()>;
}
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
if (HASEXCEPTION())
{
    goto rule<ruleDescriptor.name>Ex;
}

```

```

}
<if(backtracking)>
if (HASFAILED())
{
  <scopeClean()>
  <@debugClean()>
  return <ruleReturnValue()>;
}
<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if (BACKTRACKING>0)
{
  FAILEDFLAG = <>true_value()>;
  <scopeClean()>
  return <ruleReturnValue()>;
}
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
/**
 * $ANTLR start <ruleName>
 * <fileName>:<description>
 */
static <returnType()>
<ruleName>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><ruleDescriptor.parameterScope:parameterScope()>)
{
  <if(trace)>ANTLR3_PRINTF("enter <ruleName> %s failed=%d, backtracking=%d\n", LT(1),
BACKTRACKING);<endif>
  <ruleDeclarations()>
  <ruleDescriptor.actions.declarations>
  <ruleLabelDefs()>
  <ruleInitializations()>
  <ruleDescriptor.actions.init>
  <ruleMemoization(rname=ruleName)>
  <ruleLabelInitializations()>
  <@preamble()>
  {
    <block>
  }
}

```

```

    <ruleCleanUp()>
<if(exceptions)>
    if (HASEXCEPTION())
    {
    <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n> }>
    }
    else
    {
    <(ruleDescriptor.actions.after):execAfter()>
    }
<else>
    <if(!emptyRule)>
        <if(actions.(actionScope).rulecatch)>
            <actions.(actionScope).rulecatch>
        <else>
            if (HASEXCEPTION())
            {
                PREPORTERROR();
                PRECOVER();
                <@setErrorReturnValue()>
            }
            <if(ruleDescriptor.actions.after)>
            else

            {
                <(ruleDescriptor.actions.after):execAfter()>
            }<\n>
            <endif>
        <endif>
    <endif>
<endif>

    <if(trace)>ANTLR3_PRINTF("exit <ruleName> %d failed=%s backtracking=%s\n", LT(1), failed,
BACKTRACKING);<endif>
    <memoize()>
<if(finally)>
    <finalCode(finalBlock=finally)>
<endif>
    <scopeClean()>
    <@postamble()>
    return <ruleReturnValue()>;
}
/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{

```

```

    <finalBlock>
  }

>>

catch(decl,action) ::= <<
/* catch(decl,action)
*/
{
  <e.action>
}

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType()> retval;<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name>;
}>
<endif>
<if(memoize)>
ANTLR3_MARKER <ruleDescriptor.name>_startIndex;
<endif>
>>

ruleInitializations() ::= <<
/* Initialize rule variables
*/
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.returnScope.attributes: {
a |
<if(a.initValue)>retval.<a.name> = <a.initValue>;<endif>
}>
<else>
<ruleDescriptor.returnScope.attributes: { a |
<if(a.initValue)><a.name> = <a.initValue>;<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = INDEX();<\n>
<endif>
<ruleDescriptor.useScopes: {it |<scopeTop(it)> = <scopePush(it)>;}; separator="\n">
<ruleDescriptor.ruleScope: {it |<scopeTop(it.name)> = <scopePush(it.name)>;}; separator="\n">
>>

ruleLabelDefs() ::= <<

```

```

<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
  :{it |<labelType> <it.label.text>;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
  :{it |pANTLR3_VECTOR list_<it.label.text>;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
  :ruleLabelDef(); separator="\n"
>
>>

```

```

ruleLabelInitializations() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
  :{it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
  :{it |list_<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
  :ruleLabelInitVal(); separator="\n"
>
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
retval.start = LT(1); retval.stop = retval.start;<\n>
<endif>
<endif>
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
  ruleDescriptor.tokenListLabels,
  ruleDescriptor.ruleLabels]
  :{it |<labelType> <it.label.text>;}; separator="\n"
>
<ruleDescriptor.charLabels:{it |ANTLR3_UINT32 <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
  ruleDescriptor.ruleListLabels,
  ruleDescriptor.ruleListLabels]
  :{it |pANTLR3_INT_TRIE list_<it.label.text>;}; separator="\n"
>
>>

```

```

lexerRuleLabelInit() ::= <<
<[ruleDescriptor.tokenLabels,
  ruleDescriptor.tokenListLabels,
  ruleDescriptor.ruleLabels]
  :{it |<it.label.text>

```

```

= NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it |list_<it.label.text> = antlr3IntTrieNew(31);}; separator="\n"
>
>>

```

```

lexerRuleLabelFree() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it |list_<it.label.text>->free(list_<it.label.text>);}; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
<endif>
%>

```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if ( BACKTRACKING>0 ) { MEMOIZE(<ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

```

```

ruleCleanUp()
::= <<

// This is where rules clean up and exit
//
goto rule<ruleDescriptor.name>Ex; /* Prevent compiler warnings */

```



```

rule<ruleDescriptor.name>Ex :
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
<if(!ruleDescriptor.isSynPred)>
retval.stop = LT(-1);<\n>
<endif>
<endif>
<endif>
>>

scopeClean() ::= <<
<ruleDescriptor.useScopes:{it |<scopePop(it)>}; separator="\n">
<ruleDescriptor.ruleScope:{it |<scopePop(it.name)>}; separator="\n">

>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules, which do not produce tokens.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// Comes from: <block.description>
/** \brief Lexer rule generated by ANTLR3
 *
 * $ANTLR start <ruleName>
 *
 * Looks to match the characters the constitute the token <ruleName>
 * from the attached input stream.
 *
 *
 * \remark
 * - lexer->error == ANTLR3_TRUE if an exception was thrown.
 */
static ANTLR3_INLINE
void
m<ruleName>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><ruleDescriptor.parameterScope:parameterScope(>>)
{
ANTLR3_UINT32 _type;
<ruleDeclarations(>
<ruleDescriptor.actions.declarations>
<lexerRuleLabelDefs(>
<if(trace)>System.out.println("enter <ruleName> "+(char)LA(1)+"
line="+GETLINE()+":"+GETCHARPOSITIONINLINE()+ " failed="+failed+"
backtracking="+BACKTRACKING);<endif>

<if(nakedBlock)>
<ruleMemoization(rname=ruleName)>
<lexerRuleLabelInit(>
<ruleDescriptor.actions.init>

```

```

    <block><\n>
<else>
    <ruleMemoization(rname=ruleName)>
    <lexerRuleLabelInit(>
    _type = <ruleName>;

    <ruleDescriptor.actions.init>

    <block>
    LEXSTATE->type = _type;
<endif>
    <if(trace)> ANTLR3_FPRINTF(stderr, "exit <ruleName> '%c' line=%d:%d failed = %d, backtracking
=%d\n",LA(1),GETLINE(),GETCHARPOSITIONINLINE(),failed,BACKTRACKING);<endif>
    <ruleCleanUp(>
    <lexerRuleLabelFree(>
    <(ruleDescriptor.actions.after):execAfter(>
    <memoize>
}
// $ANTLR end <ruleName>
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
/** This is the entry point in to the lexer from an object that
 * wants to generate the next token, such as a pCOMMON_TOKEN_STREAM
 */
static void
mTokens(p<name> ctx)
{
    <block><\n>

    goto ruleTokensEx; /* Prevent compiler warnings */
ruleTokensEx; ;
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>
{
    int alt<decisionNumber>=<maxAlt>;
    <decls>

```

```

<@predecision(>
<decision>
<@postdecision(>
<@prebranch(>
switch (alt<decisionNumber>)
{
<alts:{ a | <altSwitchCase(i,a)>}>
}
<@postbranch(>
}
>>

/**
A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
{
// <fileName>:<description>

ANTLR3_UINT32 alt<decisionNumber>;

alt<decisionNumber>=<maxAlt>;

<decls>
<@predecision(>
<decision>
<@postdecision(>
switch (alt<decisionNumber>)
{
<alts:{ a | <altSwitchCase(i,a)>}>
}
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>

```

```

>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description)
::= <<
// <fileName>:<description>
{
  int cnt<decisionNumber>=0;
  <decls>
  <@preloop()>

  for (;)
  {
    int alt<decisionNumber>=<maxAlt>;
    <@predecision()>
    <decision>
    <@postdecision()>
    switch (alt<decisionNumber>)
    {
      <alts:{ a | <altSwitchCase(i,a)>}>
      default:

    if ( cnt<decisionNumber> >= 1 )
    {
      goto loop<decisionNumber>;
    }
    <ruleBacktrackFailure()>
    <earlyExitEx()>
    <@earlyExitException()>
    goto rule<ruleDescriptor.name>Ex;
  }
  cnt<decisionNumber>++;
  }
  loop<decisionNumber>; /* Jump to here if this rule does not match */
  <@postloop()>
}
>>

earlyExitEx() ::= <<
/* mismatchedSetEx()
*/
CONSTRUCTEX();
EXCEPTION->type = ANTLR3_EARLY_EXIT_EXCEPTION;
EXCEPTION->name = (void *)ANTLR3_EARLY_EXIT_NAME;
<\n>
>>
positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description)
 ::= <<

// <fileName>:<description>
<decls>

<@preloop()>
for (;;)
{
  int alt<decisionNumber>=<maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch (alt<decisionNumber>)
  {
    <alts:{ a | <altSwitchCase(i,a)> }>
  default:
    goto loop<decisionNumber>; /* break out of the loop */
    break;
  }
}
loop<decisionNumber>; /* Jump out to here if this rule does not match */
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by antlr before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum,alt) ::=
<<
case <altNum>:
  <@prealt()>
  <alt>
  break;<\n>
>>

```

```

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
  <@declarations()>
  <@initializations()>
  <elements:element()>
  <rew>
  <@cleanup()>
}
>>

// E L E M E N T S
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label> = (<labelType>)<endif> MATCHT(<token>,
&FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem)
::= <<
if (list_<label> == NULL)
{
  list_<label>=ctx->vectors->newVector(ctx->vectors);
}
list_<label>->add(list_<label>, <elem>, NULL);
>>

/** match a character */

```

```

charRef(char,label) ::= <<
<if(label)>
<label> = LA(1);<\n>
<endif>
MATCHC(<char>);
<checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = LA(1);<\n>
<endif>
MATCHRANGE(<a>, <b>);
<checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= LA(1);<\n>
<else>
<label>=(<labelType>)LT(1);<\n>
<endif>
<endif>
if ( <s> )
{
    CONSUME();
    <postmatchCode>
<if(!LEXER)>
    PERRORRECOVERY=ANTLR3_FALSE;
<endif>
    <if(backtracking)>FAILEDFLAG=ANTLR3_FALSE;<\n><endif>
}
else
{
    <ruleBacktrackFailure()>
    <mismatchedSetEx()>
    <@mismatchedSetException()>
<if(LEXER)>
    LRECOVER();
<else>
    RECOVERFROMMISMATCHEDSET(&FOLLOW_set_in_<ruleName><elementIndex>);
<endif>
    goto rule<ruleDescriptor.name>Ex;
}<\n>
>>

```

```

mismatchedSetEx() ::= <<
CONSTRUCTEX();
EXCEPTION->type      = ANTLR3_MISMATCHED_SET_EXCEPTION;
EXCEPTION->name      = (void *)ANTLR3_MISMATCHED_SET_NAME;
<if(PARSER)>
EXCEPTION->expectingSet = &FOLLOW_set_in_<ruleName><elementIndex>;
<endif>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
<label>Start = GETCHARINDEX();
MATCHS(<string>);
<checkRuleBacktrackFailure()>
<label> = LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
<label>->setType(<label>, ANTLR3_TOKEN_INVALID);
<label>->setStartIndex(<label>, <label>Start);
<label>->setStopIndex(<label>, GETCHARINDEX()-1);
<label>->input
= INPUT->tnstream->istream;
<else>
MATCHS(<string>);
<checkRuleBacktrackFailure()><<n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=(<labelType>)LT(1);<<n>
<endif>
MATCHANYT();
<checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

```



```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = LA(1);<n>
<endif>
MATCHANY();
<checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope)
::= <<
FOLLOWPUSH(FOLLOW_rule.name_in_ruleName<elementIndex>);
<if(label)><label>=<endif><if(scope)>ctx-><scope:delegateName()-><endif><rule.name>(ctx<if(scope)>-
><scope:delegateName()-><endif><if(args)>, <args; separator=","><endif>);<n>
FOLLOWPOP();
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
/* <description> */
<if(label)>
{
  ANTLR3_MARKER <label>Start<elementIndex> = GETCHARINDEX();
  <if(scope)>ctx-><scope:delegateName()-><endif>m<rule.name>(ctx<if(scope)>-
><scope:delegateName()-><endif> <if(args)>, <endif><args; separator=",">);
  <checkRuleBacktrackFailure()>
}
}

```

```

<label>
= LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
<label>->setType(<label>, ANTLR3_TOKEN_INVALID);
<label>->setStartIndex(<label>, <label>Start<elementIndex>);
<label>->setStopIndex(<label>, GETCHARINDEX()-1);
<label>->input = INPUT;
}
<else>
<if(scope)>ctx-><scope:delegateName()-><endif>m<rule.name>(ctx<if(scope)>-
><scope:delegateName()-><endif> <if(args)>, <endif><args; separator=", ">);
<checkRuleBacktrackFailure()->
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
{
  ANTLR3_UINT32 <label>Start<elementIndex>;
  <labelType> <label>;
  <label>Start<elementIndex> = GETCHARINDEX();
  MATCHC(ANTLR3_CHARSTREAM_EOF);
  <checkRuleBacktrackFailure()->
  <label> = LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
  <label>->setType(<label>, ANTLR3_TOKEN_EOF);
  <label>->setStartIndex(<label>, <label>Start<elementIndex>);
  <label>->setStopIndex(<label>, GETCHARINDEX()-1);
  <label>->input = INPUT->tnstream->istream;
}
<else>
  MATCHC(ANTLR3_CHARSTREAM_EOF);
  <checkRuleBacktrackFailure()->
  <endif>
>>

// used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg()->"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()-> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

```

```

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList, enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( LA(1)==ANTLR3_TOKEN_DOWN ) {
    MATCHT(ANTLR3_TOKEN_DOWN, NULL);
    <checkRuleBacktrackFailure()>
    <children:element()>
    MATCHT(ANTLR3_TOKEN_UP, NULL);
    <checkRuleBacktrackFailure()>
}
<else>
MATCHT(ANTLR3_TOKEN_DOWN, NULL);
<checkRuleBacktrackFailure()>
<children:element()>
MATCHT(ANTLR3_TOKEN_UP, NULL);
<checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if ( !(<evalPredicate(...)> )
{
    <ruleBacktrackFailure()>
    <newFPE(...)>
}
>>

newFPE() ::= <<
    CONSTRUCTEX();
    EXCEPTION->type      = ANTLR3_FAILED_PREDICATE_EXCEPTION;
    EXCEPTION->message   = (void *)"<description>";
    EXCEPTION->ruleName = (void *)"<ruleName>";
    <\n>
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

{
    int LA<decisionNumber>_<stateNumber> = LA(<k>);
    <edges; separator="\nelse ">
    else

```

```

    {
<if(eotPredictsAlt)>

    alt<decisionNumber>=<eotPredictsAlt>;
<else>
    <ruleBacktrackFailure()>

    <newNVException()>
    goto rule<ruleDescriptor.name>Ex;

<endif>
    }
}
>>

newNVException() ::= <<
CONSTRUCTEX();
EXCEPTION->type      = ANTLR3_NO_VIABLE_ALT_EXCEPTION;
EXCEPTION->message   = (void *)"<description>";
EXCEPTION->decisionNum = <decisionNumber>;
EXCEPTION->state     = <stateNumber>;
<@noViableAltException()>
<\n>
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
    int LA<decisionNumber>_<stateNumber> = LA(<k>);
    <edges; separator="\nelse ">
}
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop.
 * If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */

dfaLoopbackStateDecls() ::= <<
ANTLR3_UINT32 LA<decisionNumber>_<stateNumber>;
>>

```

```

dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
/* dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
*/
int LA<decisionNumber>_<stateNumber> = LA(<k>);
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber>=<eotPredictsAlt>;
}<\n>
<endif>
<endif>
}
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge
with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( <if(predicates)><predicates> && <endif><labelExpr> )
{
<targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( LA(<k> ) )
{
<edges; separator="\n">

default:
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
<else>

```

```

    <ruleBacktrackFailure()>
    <newNVException()>
    goto rule<ruleDescriptor.name>Ex;<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( LA(<k>) )
{
    <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k,
edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( LA(<k>) )
{
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
    alt<decisionNumber>=<eotPredictsAlt>;
    break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{it |case <it>:}; separator="\n">
{
    <targetState>
}
    break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(ctx, RECOGNIZER, ISTREAM,
&cdfa<decisionNumber>);
<checkRuleBacktrackFailure()>
>>

/* Dump DFA tables as static initialized arrays of shorts(16 bits)/characters(8 bits)

```

```

* which are then used to statically initialize the dfa structure, which means that there
* is no runtime
initialization whatsoever, other than anything the C compiler might
* need to generate. In general the C compiler will lay out memory such that there is no
* runtime code required.
*/
cyclicDFA(dfa) ::= <<
/** Static dfa state tables for Cyclic dfa:
* <dfa.description>
*/
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_eot[<dfa.numberofStates>] =
{
<dfa.eot; wrap="\n", separator=" ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_eof[<dfa.numberofStates>] =
{
<dfa.eof; wrap="\n", separator=" ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_min[<dfa.numberofStates>] =
{
<dfa.min; wrap="\n", separator=" ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_max[<dfa.numberofStates>] =
{
<dfa.max; wrap="\n", separator=" ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_accept[<dfa.numberofStates>] =
{
<dfa.accept; wrap="\n", separator=" ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_special[<dfa.numberofStates>] =
{
<dfa.special; wrap="\n", separator=" ", null="-1">
};

/** Used when there is no transition table entry for a particular state */
#define dfa<dfa.decisionNumber>_T_empty NULL

<dfa.edgeTransitionClassMap.keys:{ table |
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_T<i0>[] =
{
<table; separator=" ", wrap="\n", null="-1">
\};}; null = "">

/* Transition tables are a table of sub tables, with some tables
* reused for efficiency.
*/
static const ANTLR3_INT32 * const dfa<dfa.decisionNumber>_transitions[] =

```

```

{
    <dfa.transitionEdgeTables:{ xref|dfa<dfa.decisionNumber>_T<xref>}>; separator=", ", wrap="\n", null="_empty">
};

<if(dfa.specialStateSTs)>
static ANTLR3_INT32 dfa<dfa.decisionNumber>_sst(p<name> ctx, pANTLR3_BASE_RECOGNIZER recognizer,
pANTLR3_INT_STREAM is, pANTLR3_CYCLIC_DFA dfa, ANTLR3_INT32 s)
{
    ANTLR3_INT32 _s;

    _s = s;
    switch (s)
    {
        <dfa.specialStateSTs:{ state |
        case <i0>:

            <state> }; separator="\n">
    }
    <if(backtracking)>
        if (BACKTRACKING > 0)
        {
            FAILEDFLAG = ANTLR3_TRUE;
            return -1;
        }
    <endif>

    CONSTRUCTEX();
    EXCEPTION->type = ANTLR3_NO_VIABLE_ALT_EXCEPTION;
    EXCEPTION->message = (void *)"<dfa.description>";
    EXCEPTION->decisionNum = <dfa.decisionNumber>;
    EXCEPTION->state = _s;
    <@noViableAltException()>
    return -1;
}
<endif>

<@errorMethod()>

/* Declare tracking structure for Cyclic DFA <dfa.decisionNumber>
*/
static
ANTLR3_CYCLIC_DFA cdfa<dfa.decisionNumber>
= {
    <dfa.decisionNumber>, /* Decision number of this dfa */
    /* Which decision this represents: */
    (const pANTLR3_UCHAR)"<dfa.description>",
    <if(dfa.specialStateSTs)>

```



```

(CDFA_SPECIAL_FUNC) dfa<dfa.decisionNumber>_sst,
<else>
(CDFA_SPECIAL_FUNC) antlr3dfaspecialStateTransition, /* Default
special state transition function */
<endif>

antlr3dfaspecialTransition, /* DFA specialTransition is currently just a default function in the runtime */
antlr3dfapredict, /* DFA simulator function is in the runtime */
dfa<dfa.decisionNumber>_eot, /* EOT table */
dfa<dfa.decisionNumber>_eof, /* EOF table */
dfa<dfa.decisionNumber>_min, /* Minimum tokens for each state */
dfa<dfa.decisionNumber>_max, /* Maximum tokens for each state */
dfa<dfa.decisionNumber>_accept, /* Accept table */
dfa<dfa.decisionNumber>_special, /* Special transition states */
dfa<dfa.decisionNumber>_transitions /* Table of transition tables */

};
/* End of Cyclic DFA <dfa.decisionNumber>
* -----
*/
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState)
::= <<
{
ANTLR3_UINT32 LA<decisionNumber>_<stateNumber>;<\n>
ANTLR3_MARKER index<decisionNumber>_<stateNumber>;<\n>

LA<decisionNumber>_<stateNumber> = LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
index<decisionNumber>_<stateNumber> = INDEX();<\n>
REWINDLAST();<\n>
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
SEEK(index<decisionNumber>_<stateNumber>);<\n>
<endif>
if ( s>=0 )
{
return s;
}
}
break;
>>

```

```

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ( <if(predicates)><predicates> ) && <endif><labelExpr> )
{
  s = <targetStateNumber>;
}<n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber,
  predicates) ::= <<
s = <targetStateNumber>;<n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "( (<left> ) && (<right> ) )"

orPredicates(operands) ::= "<operands:{o|<o>} ; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(pred,{})> )"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>(ctx)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
((LA<decisionNumber>_<stateNumber> >= <lower> ) && (LA<decisionNumber>_<stateNumber> \<= <upper>))
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "((LA(<k>) >= <lower> )
&& (LA(<k>) \<= <upper>))"

setTest(ranges) ::= "<ranges; separator=\\|\\>"

```

```
// A T T R I B U T E S
```

```
makeScopeSet() ::= <<
```

```
/* makeScopeSet()
```

```
*/
```

```
/** Definition of the <scope.name> scope variable tracking
```

```
* structure. An instance of this structure is created by calling
```

```
* <name>_<scope.name>Push().
```

```
*/
```

```
typedef struct <scopeStruct(sname=scope.name,...)>_struct
```

```
{
```

```
/* Function that the user may provide to be called when the
```

```
* scope is destroyed (so you can free pANTLR3_HASH_TABLES and so on)
```

```
*
```

```
* \param POinter to an instance of this typedef/struct
```

```
*/
```

```
void (ANTLR3_CDECL *free) (struct <scopeStruct(sname=scope.name,...)>_struct * frame);
```

```
/* =====
```

```
* Programmer defined variables...
```

```
*/
```

```
<scope.attributes:{it |<it.decl>;}; separator="\n">
```

```
/* End of programmer defined variables
```

```
* =====
```

```
*/
```

```
}
```

```
<scopeStruct(sname=scope.name,...)>, * <scopeType(sname=scope.name,...)>;
```

```
>>
```

```
globalAttributeScopeDecl(scope) ::= <<
```

```
<if(scope.attributes)>
```

```
/* globalAttributeScopeDecl(scope)
```

```
*/
```

```
<makeScopeSet(...)>
```

```
<endif>
```

```
>>
```

```
ruleAttributeScopeDecl(scope) ::= <<
```

```
<if(scope.attributes)>
```

```
/* ruleAttributeScopeDecl(scope)
```

```
*/
```

```
<makeScopeSet(...)>
```

```
<endif>
```

```
>>
```

```
globalAttributeScopeFuncDecl(scope) ::=
```

```

<<
/* globalAttributeScopeFuncDecl(scope)
*/
<if(scope.attributes)>
/* -----
* Function declaration for creating a <name>_<scope.name> scope set
*/
static <scopeType(sname=scope.name,...)> <scopePushName(sname=scope.name,...)>(p<name> ctx);
static void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope);
/* ----- */

<endif>
>>

globalAttributeScopeFuncMacro(scope) ::=
<<
<if(scope.attributes)>
/* globalAttributeScopeFuncMacro(scope)
*/
/** Function for popping the top value from a <scopeStack(sname=scope.name)>
*/
void
<scopePopName(sname=scope.name,...)>(p<name> ctx)
{
// First see if the user defined a function they want to be called when a
// scope is popped/freed.
//
// If the user supplied the scope entries with a free function,then call it first
//
if (SCOPE_TOP(<scope.name>)->free != NULL)
{
SCOPE_TOP(<scope.name>)->free(SCOPE_TOP(<scope.name>));
}

// Now we decrement the scope's upper limit bound. We do not actually pop the scope as
// we want to reuse scope entries if we do continuous push and pops. Most scopes don't
// next too far so we don't want to keep freeing and allocating them
//
ctx-><scopeStack(sname=scope.name,...)>_limit--;
SCOPE_TOP(<scope.name>) = (<scopeType(sname=scope.name)>)(ctx-><scopeStack(sname=scope.name,...)>-
>get(ctx-><scopeStack(sname=scope.name,...)>,
ctx-><scopeStack(sname=scope.name,...)>_limit - 1));
}
<endif>
>>

ruleAttributeScopeFuncDecl(scope) ::= <<
<if(scope.attributes)>

```

```

/* ruleAttributeScopeFuncDecl(scope)
*/
/* -----
* Function declarations for creating a <name>_<scope.name> scope set
*/
static <scopeType(sname=scope.name,...)> <scopePushName(sname=scope.name,...)>(p<name> ctx);
static void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope);
/* ----- */

<endif>
>>

ruleAttributeScopeFuncMacro(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeFuncMacro(scope)
*/
/** Function for popping the top value from a <scopeStack(sname=scope.name,...)>
*/
void
<scopePopName(sname=scope.name,...)>(p<name> ctx)
{
    // First see if the user defined a function they want to be called when a
    // scope is popped/freed.
    //
    // If the user supplied the scope entries with a free function,then call it first
    //
    if (SCOPE_TOP(<scope.name>)->free != NULL)
    {
        SCOPE_TOP(<scope.name>)->free(SCOPE_TOP(<scope.name>));
    }

    // Now we decrement the scope's upper limit bound. We do not actually pop the scope as
    // we want to reuse scope entries if we do continuous push and pops. Most scopes don't
    // next too far so we don't want to keep freeing and allocating them
    //
    ctx-><scopeStack(sname=scope.name,...)>_limit--;
    SCOPE_TOP(<scope.name>) = (<scopeType(sname=scope.name)>)(ctx-><scopeStack(sname=scope.name,...)>-
>get(ctx-><scopeStack(sname=scope.name,...)>, ctx-><scopeStack(sname=scope.name,...)>_limit - 1));
}

<endif>
>>

globalAttributeScopeDef(scope) ::=
<<
/* globalAttributeScopeDef(scope)
*/
<if(scope.attributes)>

```

```

/** Pointer to the <scope.name> stack for use by <scopePushName(sname=scope.name)>()
 * and <scopePopName(sname=scope.name,...)>()
 */
pANTLR3_STACK <scopeStack(sname=scope.name)>;
ANTLR3_UINT32 <scopeStack(sname=scope.name)>_limit;
/** Pointer to the top of the stack for the global scope <scopeStack(sname=scope.name)>
 */
<scopeType(sname=scope.name,...)> (*<scopePushName(sname=scope.name,...)>)(struct <name>_Ctx_struct *
ctx);
<scopeType(sname=scope.name,...)> <scopeTopDecl(sname=scope.name,...)>;

<endif>
>>

ruleAttributeScopeDef(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDef(scope)
 */
/** Pointer to the <scope.name> stack for use by <scopePushName(sname=scope.name)>()
 * and <scopePopName(sname=scope.name,...)>()
 */
pANTLR3_STACK <scopeStack(sname=scope.name,...)>;
ANTLR3_UINT32 <scopeStack(sname=scope.name,...)>_limit;
<scopeType(sname=scope.name,...)> (*<scopePushName(sname=scope.name,...)>)(struct <name>_Ctx_struct *
ctx);
<scopeType(sname=scope.name,...)> <scopeTopDecl(sname=scope.name,...)>;

<endif>
>>

globalAttributeScopeFuncs(scope) ::= <<
<if(scope.attributes)>
/*
 globalAttributeScopeFuncs(scope)
 */
<attributeFuncs(scope)>
<endif>
>>

ruleAttributeScopeFuncs(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeFuncs(scope)
 */
<attributeFuncs(scope)>
<endif>
>>

globalAttributeScope(scope) ::= <<

```

```

<if(scope.attributes)>
/* globalAttributeScope(scope)
*/
ctx-><scopePushName(sname=scope.name,...)> = <scopePushName(sname=scope.name,...)>;
ctx-><scopeStack(sname=scope.name,...)> = antlr3StackNew(0);
ctx-><scopeStack(sname=scope.name,...)>_limit = 0;
<scopeTop(sname=scope.name,...)> = NULL;
<endif>
>>

```

```

ruleAttributeScope(scope) ::=
<<
<if(scope.attributes)>
/* ruleAttributeScope(scope)
*/
ctx-><scopePushName(sname=scope.name,...)> = <scopePushName(sname=scope.name,...)>;
ctx-><scopeStack(sname=scope.name,...)> = antlr3StackNew(0);
ctx-><scopeStack(sname=scope.name,...)>_limit = 0;
<scopeTop(sname=scope.name,...)> = NULL;
<endif>
>>

```

```

globalAttributeScopeFree(scope)
::= <<
<if(scope.attributes)>
/* globalAttributeScope(scope)
*/
ctx-><scopeStack(sname=scope.name,...)>->free(ctx-><scopeStack(sname=scope.name,...)>);
<endif>
>>

```

```

ruleAttributeScopeFree(scope) ::=
<<
<if(scope.attributes)>
/* ruleAttributeScope(scope)
*/
ctx-><scopeStack(sname=scope.name,...)>->free(ctx-><scopeStack(sname=scope.name,...)>);
<endif>
>>

```

```

scopeTopDecl(sname) ::= <<
p<name>_<sname>Top
>>

```

```

scopeTop(sname) ::= <<
ctx-><scopeTopDecl(sname=sname,...)>
>>

```

```

scopePop(sname) ::= <<

```

```

<scopePopName(sname=sname,...)>(ctx);
>>

scopePush(sname) ::= <<
p<name>_<sname>Push(ctx)
>>

scopePopName(sname) ::= <<
p<name>_<sname>Pop
>>

scopePushName(sname) ::= <<
p<name>_<sname>Push
>>

scopeType(sname) ::= <<
p<name>_<sname>_SCOPE
>>

scopeStruct(sname) ::= <<
<name>_<sname>_SCOPE
>>

scopeStack(sname) ::= <<
p<name>_<sname>Stack
>>

attributeFuncs(scope) ::= <<
<if(scope.attributes)>
/* attributeFuncs(scope)
*/

static
void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope)
{
    ANTLR3_FREE(scope);
}

/** \brief Allocate initial memory for a <name> <scope.name> scope variable stack entry and
 *     add it to the top of the stack.
 *
 * \remark
 * By default the structure is freed with ANTLR_FREE(), but you can use the
 * the \@init action to install a pointer to a custom free() routine by
 * adding the code:
 * \code
 * <scopeTop(sname=scope.name)>->free = myroutine;
 * \endcode

```



```

*
* With lots of comments of course! The routine should be declared in
* \@members { } as:
* \code
* void ANTLR3_CDECL myfunc( <scopeType(sname=scope.name)> ptr).
* \endcode
*
* It should perform any custom freeing stuff that you need (call ANTLR_FREE3, not free())
* NB: It should not free the pointer it is given, which is the scope stack entry itself
* and will be freed by the function that calls your custom free routine.
*
*/
static <scopeType(sname=scope.name)>
<scopePushName(sname=scope.name)>(p<name>
ctx)
{
    /* Pointer used to create a new set of attributes
    */
    <scopeType(sname=scope.name)> newAttributes;

    /* Allocate the memory for a new structure if we need one.
    */
    if (ctx-><scopeStack(sname=scope.name)>->size(ctx-><scopeStack(sname=scope.name)>) > ctx-
><scopeStack(sname=scope.name)>_limit)
    {
        // The current limit value was less than the number of scopes available on the stack so
        // we can just reuse one. Our limit tracks the stack count, so the index of the entry we want
        // is one less than that, or conveniently, the current value of limit.
        //
        newAttributes = (<scopeType(sname=scope.name)>)ctx-><scopeStack(sname=scope.name)>->get(ctx-
><scopeStack(sname=scope.name)>, ctx-><scopeStack(sname=scope.name)>_limit);
    }
    else
    {
        // Need a new allocation
        //
        newAttributes = (<scopeType(sname=scope.name)>)
ANTLR3_MALLOC(sizeof(<scopeStruct(sname=scope.name)>));
        if (newAttributes != NULL)
        {
            /* Standard ANTLR3 library implementation
            */
            ctx-><scopeStack(sname=scope.name)>->push(ctx-><scopeStack(sname=scope.name)>, newAttributes,
(void (*)(void *))<scope.name>Free);
        }
    }

    // Blank out any previous free pointer, the user might or might install a new one.

```

```

//
newAttributes->free = NULL;

// Indicate the position in the available stack that the current level is at
//
ctx-><scopeStack(sname=scope.name)>_limit++;

/* Return value is the pointer to the new entry, which may be used locally
 * without de-referencing via the context.
 */
return newAttributes;
}<\n>

<endif>
>>
returnStructName(r) ::= "<r.name>_return"

returnType() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
ANTLR3_BOOLEAN
<endif>
%>

/**
Generate the C type associated with a single or multiple return
 * value(s).
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.grammar.recognizerName>_<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
%>

```

```

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "0".
 */
initValue(typeName) ::= <<
= <cTypeInitMap.(typeName)>
>>

/** Define a rule label */
ruleLabelDef(label) ::= <<
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text>;
#undef RETURN_TYPE_<label.label.text>
#define RETURN_TYPE_<label.label.text>
<ruleLabelType(referencedRule=label.referencedRule)><\n>
>>
/** Rule label default value */
ruleLabelInitVal(label) ::= <<
>>

ASTLabelType() ::=
"<if(recognizer.ASTLabelType)><recognizer.ASTLabelType><else>pANTLR3_BASE_TREE<endif>"

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
typedef struct <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>_struct
{
<if(!TREE_PARSER)>
/** Generic return elements for ANTLR3 rules that are not in tree parsers or returning trees
 */
pANTLR3_COMMON_TOKEN start;
pANTLR3_COMMON_TOKEN stop;
<else>
<recognizer.ASTLabelType> start;
<recognizer.ASTLabelType> stop;
<endif>
<@ruleReturnMembers()>
<ruleDescriptor.returnScope.attributes:{it
|<it.type> <it.name>;}; separator="\n">
}
}

```

```

    <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName();<\n><\n>
<endif>
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name>=<expr>";

/** Note that the scopeAttributeRef does not have access to the
 * grammar name directly
 */
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get( ctx->SCOPE_STACK(<scope>), ctx-
>SCOPE_STACK(<scope>)->size(ctx->SCOPE_STACK(<scope>)) - <negIndex> - 1 ))-><attr.name>
<else>
<if(index)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>),
(ANTLR3_UINT32)<index> ) ))-><attr.name>
<else>
(SCOPE_TOP(<scope>))-><attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(
ctx->SCOPE_STACK(<scope>), ctx->SCOPE_STACK(<scope>)->size(ctx->SCOPE_STACK(<scope>)) -
<negIndex> - 1 ))-><attr.name> = <expr>;
<else>
<if(index)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>),
(ANTLR3_UINT32)<index> ) ))-><attr.name> = <expr>;
<else>
(SCOPE_TOP(<scope>))-><attr.name>=<expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */

```

```
isolatedDynamicScopeRef(scope) ::= "ctx->SCOPE_STACK(<scope>)"
```

```
/** reference an attribute of rule; might only have single return value */  
ruleLabelRef(referencedRule,scope,attr) ::= <<  
<if(referencedRule.hasMultipleReturnValues)>  
<scope>.<attr.name>  
<else>  
<scope>  
<endif>  
>>
```

```
returnAttributeRef(ruleDescriptor,attr) ::= <<  
<if(ruleDescriptor.hasMultipleReturnValues)>  
retval.<attr.name>  
<else>  
<attr.name>  
<endif>  
>>
```

```
returnSetAttributeRef(ruleDescriptor,attr,expr)  
::= <<  
<if(ruleDescriptor.hasMultipleReturnValues)>  
retval.<attr.name>=<expr>;  
<else>  
<attr.name>=<expr>;  
<endif>  
>>
```

```
/** How to translate $tokenLabel */  
tokenLabelRef(label) ::= "<label>"
```

```
/** ids+=ID {$ids} or e+=expr {$e} */  
listLabelRef(label) ::= "list_<label>"
```

```
// not sure the next are the right approach
```

```
//
```

```
tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>->getText(<scope>))"  
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>->getType(<scope>))"  
tokenLabelPropertyRef_line(scope,attr) ::= "(<scope>->getLine(<scope>))"  
tokenLabelPropertyRef_pos(scope,attr) ::= "(<scope>->getCharPositionInLine(<scope>))"  
tokenLabelPropertyRef_channel(scope,attr) ::= "(<scope>->getChannel(<scope>))"  
tokenLabelPropertyRef_index(scope,attr) ::= "(<scope>->getTokenIndex(<scope>))"  
tokenLabelPropertyRef_tree(scope,attr) ::= "(<scope>->tree)"  
tokenLabelPropertyRef_int(scope,attr)  
::= "(<scope>->getText(<scope>->toInt32(<scope>->getText(<scope>)))"
```

```
ruleLabelPropertyRef_start(scope,attr) ::= "(<scope>.start)"
```

```

ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(STRSTREAM->toStringSS(STRSTREAM, <scope>.start, <scope>.start))
<else>
(STRSTREAM->toStringTT(STRSTREAM, <scope>.start, <scope>.stop))
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>->getType(<scope>))"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>->getLine(<scope>))"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>->getCharPositionInLine(<scope>))"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>->getChannel(<scope>))"
lexerRuleLabelPropertyRef_index(scope,attr)
::= "<scope>->getTokenIndex(<scope>))"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>->getText(<scope>))"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop"
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
INPUT->toStringSS(INPUT, ADAPTOR->getTokenStartIndex(ADAPTOR, retval.start), ADAPTOR-
>getTokenStopIndex(ADAPTOR, retval.start))
<else>
STRSTREAM->toStringTT(STRSTREAM, retval.start, LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "LEXER->getText(LEXER)"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "LEXSTATE->tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "LEXSTATE->tokenStartCharPositionInLine"
lexerRulePropertyRef_channel(scope,attr) ::=
"LEXSTATE->channel"
lexerRulePropertyRef_start(scope,attr) ::= "LEXSTATE->tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(LEXER->getCharIndex(LEXER)-1)"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_int(scope,attr) ::= "LEXER->getText(LEXER)->toInt32(LEXER->getText(LEXER))"

```

```
// setting $st and $tree is allowed in local rule. everything else is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree=<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st=<expr>";
```

```
/** How to deal with an @after for C targets. Because we cannot rely on
 * any garbage collection, after code is executed even in backtracking
 * mode. Must be documented clearly.
 */
```

```
execAfter(action) ::= <<
{
  <action>
}
>>
```

```
/** How to execute an action (when not backtracking) */
```

```
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if ( <actions.(actionScope).synpredgate>
)
{
  <action>
}
<else>
if ( BACKTRACKING == 0 )
{
  <action>
}
<endif>
<else>
{
  <action>
}
<endif>
>>
```

```
// M I S C (properties, etc...)
```

```
bitsetDeclare(name, words64) ::= <<
```

```
/** Bitset defining follow set for error recovery in rule state: <name> */
```

```
static ANTLR3_BITWORD <name>_bits[] = { <words64:{it |ANTLR3_UINT64_LIT(<it>)}; separator=", "> };
static ANTLR3_BITSET_LIST <name> = { <name>_bits, <length(words64)> };
>>
```

```
bitset(name, words64) ::= <<
```

```
antlr3BitsetSetAPI(&<name>);<\n>
```

```
>>
```

```
codeFileExtension() ::= ".c"
```

```
true_value() ::= "ANTLR3_TRUE"
```

```
false_value() ::= "ANTLR3_FALSE"
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/C/C.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
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```

```
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```

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```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
<if(!TREE_PARSER)><! tree parser would already have imported !>
```

```
import org.antlr.runtime.tree.*;<\n>
```

```
<endif>
```

```
>>
```



```

@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
protected var adaptor:TreeAdaptor = new CommonTreeAdaptor();<\n>
override public function set treeAdaptor(adaptor:TreeAdaptor):void
{
    this.adaptor = adaptor;
    <grammar.directDelegates:{g|<g.delegateName()>.treeAdaptor = this.adaptor;}>
}
override public function get treeAdaptor():TreeAdaptor {
    return adaptor;
}
>>

@returnScope.ruleReturnMembers() ::= <<
<ASTLabelType> tree;
public function get tree():Object { return tree; }
>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
var root_0:<ASTLabelType> = null;<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
ruleDescriptor.wildcardTreeListLabels]:{it |var <it.label.text>_tree:<ASTLabelType>=null;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it |var <it.label.text>_tree:<ASTLabelType>=null;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it |var stream_<it>:RewriteRule<rewriteElementType>Stream=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it |var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
* These should be turned off if doing rewrites. This must be a "mode"
* as a rule could have both rewrite and AST within the same alternative
* block.
*/
@alt.declarations() ::= <<

```

```

<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = <ASTLabelType>(adaptor.nil());<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking
 * list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule.name>.add(<label>.tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(label,

```

```

{<label>.tree }>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule>.add(<label>.tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(label, {<label>.tree }>)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
//
token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {<n>
<endif>
<prevRuleRootRef()>.tree = root_0;
<rewriteCodeLabels()>
root_0 = <ASTLabelType>(adaptor.nil());
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef()>.tree = <ASTLabelType>(adaptor.rulePostProcessing(root_0));

```

```

input.replaceChildren(adaptor.getParent(retval.start),
    adaptor.getChildIndex(retval.start),
    adaptor.getChildIndex(_last),
    retval.tree);
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>.tree = root_0;
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>.tree
= root_0;
<endif>
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {it | var stream_<it>: RewriteRule<rewriteElementType>Stream=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedTokenListLabels
: {it | var stream_<it>: RewriteRule<rewriteElementType>Stream=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it> ", list_<it>);};
separator="\n"
>
<referencedWildcardLabels
: {it | var stream_<it>: RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"wildcard
<it>",<it>);};
separator="\n"
>
<referencedWildcardListLabels
: {it | var stream_<it>: RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"wildcard
<it> ",list_<it>);};
separator="\n"
>
<referencedRuleLabels
: {it | var stream_<it>: RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.tree:null);};
separator="\n"
>
<referencedRuleListLabels

```

```

    :{it | var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"token
<it>",list_<it>);};
    separator="\n"
>
>>

```

```

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */

```

```

rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if ( <referencedElementsDeep:{el | stream_<el>.hasNext}; separator="||"> ) {
    <alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
while ( <referencedElements:{el | stream_<el>.hasNext}; separator="||"> ) {
    <alt>
}
<referencedElements:{el
| stream_<el>.reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
if ( !(<referencedElements:{el | stream_<el>.hasNext}; separator="||">) ) {
    throw new RewriteEarlyExitException();
}
while ( <referencedElements:{el | stream_<el>.hasNext}; separator="||"> ) {
    <alt>
}

```

```

<referencedElements:{el | stream_<el>.reset();<\n}>
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
  <a.alt>
}<\n>
<else>
{
  <a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
var root_<treeLevel>:<ASTLabelType> = <ASTLabelType>(adaptor.nil());
<root:rewriteElement()>
<children:rewriteElement()>
adaptor.addChild(root_<enclosingTreeLevel>,
  root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */

```

```

rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>));<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID
...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>));<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, <createImaginaryNode(token,terminalOptions,args)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<createImaginaryNode(token,terminalOptions,args)>,
root_<treeLevel>));<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef()
::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>));<\n>
>>

```

```

rewriteNodeAction(action) ::= <<
adaptor.addChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<action>, root_<treeLevel>));<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(),
root_<treeLevel>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>));<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=","><endif>)
<else>
<ASTLabelType>(adaptor.create(<tokenType>, <args; separator=","><if(!args)>"<tokenType>"<endif>))
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=","><endif>))
<else>

```



```
<if(args)> <! must create new node from old !>
adaptor.create(<token>, <args; separator=", ">)
<else>
stream_<token>.nextNode()
<endif>
<endif>
>>
```

Found

in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/ActionScript/AST.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
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```

```
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```

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```
*/
```

```
/*
```

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

```
*/
```

group gnu;

location(file, line, column) ::= "<file>:<line>:"

message(id, text) ::= "<text> (<id>)"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found

in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/templates/messages/formats/gnu.stg

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/*

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*/

asTypeInitMap ::= [

"int": "0",

"uint": "0",

```

"Number": "0.0",
"Boolean": "false",
default: "null" // anything other than an atomic type
]

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
           docComment, recognizer,
           name, tokens, tokenNames, rules, cyclicDFAs,
           bitsets, buildTemplate, buildAST, rewriteMode,
           profile,
           backtracking, synpreds, memoize, numRules,
           fileName, ANTLRVersion, generatedTimestamp, trace,
           scopes, superClass, literals) ::=
<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
package<if(actions.(actionScope).package)> <actions.(actionScope).package><endif> {
  <actions.(actionScope).header>
  <@imports>
import org.antlr.runtime.*;
<if(TREE_PARSER)>
  import org.antlr.runtime.tree.*;
<endif>
  <@end>

  <docComment>
  <recognizer>
}
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="Token",
       superClass="Lexer") ::= <<
public class <grammar.recognizerName> extends
<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else><@superClassName><superClass>
><@end><endif> {
  <tokens: {it | public static const <it.name>:int=<it.type>;}; separator="\n">
  <scopes: {it | <if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>
  <actions.lexer.members>

  // delegates
  <grammar.delegates:
    {g|public var <g.delegateName():><g.recognizerName>;}; separator="\n">
  // delegators
  <grammar.delegators:
    {g|public var <g.delegateName():><g.recognizerName>;}; separator="\n">
  <last(grammar.delegators): {g|public var gParent:<g.recognizerName>;}>

```

```

    public function <grammar.recognizerName>(<grammar.delegators: {g|<g.delegateName()>:<g.recognizerName>,
}>input:CharStream = null, state:RecognizerSharedState = null) {
        super(input, state);
        <cyclicDFAs:cyclicDFACTOR(>
<if(memoize)>
<if(grammar.grammarIsRoot)>
    this.state.ruleMemo = new Array(<numRules>+1);<\n> <! index from 1..n !>
<endif>
<endif>
    <grammar.directDelegates:
        {g|<g.delegateName()> = new <g.recognizerName>(<trunc(g.delegators): {p|<p.delegateName()>, }>this,
input, this.state);}; separator="\n">
    <grammar.delegators:
        {g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
        <last(grammar.delegators): {g|gParent = <g.delegateName()>;}>
    }
    public override function get grammarFileName():String { return "<fileName>"; }

<if(filterMode)>
    <filteringNextToken()>
<endif>
    <rules; separator="\n\n">

    <synpreds: {p | <lexerSynpred(p)>}>

    <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
public override function nextToken():Token {
    while (true) {
        if ( input.LA(1)==CharStreamConstants.EOF ) {
            return TokenConstants.EOF_TOKEN;
        }
        this.state.token = null;
        this.state.channel = TokenConstants.DEFAULT_CHANNEL;

        this.state.tokenStartCharIndex = input.index;
        this.state.tokenStartCharPositionInLine = input.charPositionInLine;

```

```

    this.state.tokenStartLine = input.line;
    this.state.text = null;
    try {
        var m:int = input.mark();
        this.state.backtracking=1; <! means we won't throw slow exception !>
        this.state.failed=false;
        mTokens();
        this.state.backtracking=0;
        <! mTokens backtracks with synpred at backtracking==2
        and we set the synpredgate to allow actions at level 1. !>
        if ( this.state.failed ) {
            input.rewindTo(m);
            input.consume(); <! advance one char and try again !>
        }
        else {
            emit();
            return this.state.token;
        }
    }
    catch (re:RecognitionException) {
        // shouldn't happen in backtracking mode, but...
        reportError(re);
        recover(re);
    }
}
// Not reached - For ActionScript compiler
throw new Error();
}

public override function memoize(input:IntStream,
    ruleIndex:int,
    ruleStartIndex:int):void
{
    if ( this.state.backtracking>1 ) super.memoize(input, ruleIndex, ruleStartIndex);
}

public override function alreadyParsedRule(input:IntStream, ruleIndex:int):Boolean {
    if ( this.state.backtracking>1 ) return super.alreadyParsedRule(input, ruleIndex);
    return false;
}
>>

actionGate() ::= "this.state.backtracking==0"

filteringActionGate() ::= "this.state.backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,

```

```

        bitsets, inputStreamType, superClass,
        labelType, members, rewriteElementType,
        filterMode, ASTLabelType="Object") ::= <<
public class <grammar.recognizerName> extends
<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else><@superClassName><superClass>
<&@end><endif>
{
<if(grammar.grammarIsRoot)>
    public static const tokenNames:Array = [
        "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
    ];<n>
<endif>
    <tokens:{it |public static const <it.name>:int=<it.type>;}; separator="\n">

    // delegates
    <grammar.delegates: {g|public var <g.delegateName():<g.recognizerName>;}; separator="\n">
    // delegators
    <grammar.delegators:
        {g|public var <g.delegateName():<g.recognizerName>;}; separator="\n">
    <last(grammar.delegators):{g|public var gParent:<g.recognizerName>;}>

    <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>>
    <@members>
    <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
    public function <grammar.recognizerName>(<grammar.delegators:{g|<g.delegateName():<g.recognizerName>,
}>input:<inputStreamType>, state:RecognizerSharedState = null) {
        super(input, state);

        <cyclicDFAs:cyclicDFACTor()>
        <parserCtorBody()>
        <grammar.directDelegates:
            {g|<g.delegateName()> = new <g.recognizerName>(<trunc(g.delegators):{p|<p.delegateName()>, }>this,
input, this.state);}; separator="\n">
        <grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegator.delegateName()>.<g.delegateName()>;};
separator="\n">
        <last(grammar.delegators):{g|gParent = <g.delegateName()>;}>
    }
    <@end>

    public override function get tokenNames():Array { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; }
    public override function get grammarFileName():String { return "<fileName>"; }

    <members>

    <rules; separator="\n\n">

    <! generate rule/method definitions for imported rules so they

```

```

    appear to be defined in this recognizer. !>
    // Delegated rules
    <grammar.delegatedRules:{ruleDescriptor|
        public function <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope():<returnType()>
        { <if(ruleDescriptor.hasReturnValue)>return
    <endif><ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope.attribut
es:{a|<a.name>}; separator=", ">); \} }>; separator="\n">

    <synpreds:{p | <synpred(p)>>>

    <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

    <bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
        words64=it.bits)>>>
    }
    >>

    parserCtorBody() ::= <<
    <if(memoize)>
    <if(grammar.grammarIsRoot)>
    this.state.ruleMemo = new Array(<length(grammar.allImportedRules)>+1);<\n> <! index from 1..n !>
    <endif>
    <endif>
    <grammar.delegators:
    {g|this.<g:delegateName()> = <g:delegateName()>; separator="\n">
    >>

    parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType="Object",
    superClass="Parser", labelType="Token", members={<actions.parser.members>}) ::= <<
    <genericParser(grammar, name, scopes, tokens, tokenNames,
    rules, numRules,
        bitsets, "TokenStream", superClass,
        labelType, members, "Token",
        false, ASTLabelType)>
    >>

    /** How to generate a tree parser; same as parser except the input
    * stream is a different type.
    */
    treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
        numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
        superClass="TreeParser", members={<actions.treeparser.members>}) ::= <<
    <genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
        bitsets, "TreeNodeStream", superClass,
        labelType, members, "Node",
        filterMode, ASTLabelType)>
    >>

```

```

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization
stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
public final function <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope()>):void {
    <ruleLabelDefs()>
<if(trace)>
    traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
    try {
        <block>
    }
    finally {
        traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
    }
<else>
    <block>
<endif>
}
// $ANTLR end <ruleName>
>>

synpred(name) ::= <<
public final function <name>():Boolean {
    this.state.backtracking++;
    <@start()>
    var start:int = input.mark();
    try {
        <name>_fragment(); // can never throw exception
    } catch (re:RecognitionException) {
        trace("impossible: "+re);
    }
    var success:Boolean = !this.state.failed;
    input.rewindTo(start);
    <@stop()>
    this.state.backtracking--;
    this.state.failed=false;
    return success;
}<\n>
>>

lexerSynpred(name) ::= <<

```



```

<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if ( this.state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>) ) { return <ruleReturnValue()>;
}
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (this.state.failed) return <ruleReturnValue()>;<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (this.state.backtracking>0) {this.state.failed=true; return <ruleReturnValue()>;}<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
//
$ANTLR start <ruleName>
// <fileName>:<description>
public final function <ruleName>(<ruleDescriptor.parameterScope:parameterScope()>:<returnType()> {
  <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  <ruleLabelDefs()>
  <ruleDescriptor.actions.init>
  <@preamble()>
  try {
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp()>
    <(ruleDescriptor.actions.after):execAction()>
  }
  <if(exceptions)>
    <exceptions:{e|<catch(decl=e.decl,action=e.action)><n}>>
  <else>
  <if(!emptyRule)>
  <if(actions.(actionScope).rulecatch)>
    <actions.(actionScope).rulecatch>
  <else>

```

```

catch (re:RecognitionException) {
    reportError(re);
    recoverStream(input,re);
    <@setErrorReturnValue()>
}
<\n>
<endif>
<endif>
<endif>
finally {
    <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
    <memoize()>
    <ruleScopeCleanUp()>
    <finally>
    }
    <@postamble()>
    return <ruleReturnValue()>;
}
// $ANTLR end <ruleName>
>>

catch(decl,action) ::= <<
catch (<e.decl>) {
    <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
var retval:<returnType()> = new <returnType()>();
retval.start = input.LT(1);<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
var <a.name>:<a.type> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
var <ruleDescriptor.name>_startIndex:int = input.index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it |<it>_stack.push(new Object());}; separator="\n">
<ruleDescriptor.ruleScope: { it |<it.name>_stack.push(new Object());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { it |<it>_stack.pop();}; separator="\n">
<ruleDescriptor.ruleScope: { it |<it.name>_stack.pop();}; separator="\n">

```

>>

ruleLabelDefs()

::= <<

<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]

:{it |var <it.label.text>:<labelType>=null;}; separator="\n"

>

<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]

:{it |var list_<it.label.text>:Array=null;}; separator="\n"

>

<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">

<ruleDescriptor.ruleListLabels:{ll|var <ll.label.text>:RuleReturnScope = null;}; separator="\n">

>>

lexerRuleLabelDefs() ::= <<

<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]

:{it |var <it.label.text>:<labelType>=null;}; separator="\n"

>

<ruleDescriptor.charLabels:{it |var <it.label.text>:int;}; separator="\n">

<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]

:{it |var list_<it.label.text>:Array=null;}; separator="\n"

>

>>

ruleReturnValue() ::= <%

<if(!ruleDescriptor.isSynPred)>

<if(ruleDescriptor.hasReturnValue)>

<if(ruleDescriptor.hasSingleReturnValue)>

<ruleDescriptor.singleValueReturnName>

<else>

retval

<endif>

<endif>

<endif>

%>

ruleCleanUp()

::= <<

<if(ruleDescriptor.hasMultipleReturnValues)>

<if(!TREE_PARSER)>

retval.stop = input.LT(-1);<\n>

<endif>

<endif>

>>

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if ( this.state.backtracking>0 ) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_startIndex); }
<endif>
<endif>
>>

```

/** How to generate a rule in the lexer; naked blocks are used for

* fragment rules.

*/

```
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
```

```
// $ANTLR start <ruleName>
```

```
public final function m<ruleName>(<ruleDescriptor.parameterScope:parameterScope()>):void {
```

```
  <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
```

```
  <ruleScopeSetUp()>
```

```
  <ruleDeclarations()>
```

```
  try {
```

```
<if(nakedBlock)>
```

```
  <ruleMemoization(name=ruleName)>
```

```
  <lexerRuleLabelDefs()>
```

```
  <ruleDescriptor.actions.init>
```

```
  <block><\n>
```

```
<else>
```

```
  var _type:int = <ruleName>;
```

```
  var _channel:int = DEFAULT_TOKEN_CHANNEL;
```

```
  <ruleMemoization(name=ruleName)>
```

```
  <lexerRuleLabelDefs()>
```

```
  <ruleDescriptor.actions.init>
```

```
  <block>
```

```
  <ruleCleanUp()>
```

```
  this.state.type = _type;
```

```
  this.state.channel = _channel;
```

```
  <(ruleDescriptor.actions.after):execAction()>
```

```
<endif>
```

```
  }
```

```
  finally {
```

```
    <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
```

```
    <ruleScopeCleanUp()>
```

```
    <memoize()>
```

```
  }
```

```
}
```

```
// $ANTLR end <ruleName>
```

```
>>
```

/** How to generate code for the implicitly-defined lexer grammar rule

* that chooses between lexer rules.

```

*/
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
public override function mTokens():void {
    <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives
*/
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
var alt<decisionNumber>:int=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>) {
    <alts:{ a | <altSwitchCase(i, a)>}>
}
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
var alt<decisionNumber>:int=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>) {
    <alts:{ a | <altSwitchCase(i, a)>}>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description)

```

```

 ::= <<
 // <fileName>:<description>
 <decls>
 <@prealt()>
 <alts>
 <@postalt()>
 >>

 /** A (..)+ block with 1 or more alternatives */
 positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
 // <fileName>:<description>
 var cnt<decisionNumber>:int=0;
 <decls>
 <@preloop()>
 loop<decisionNumber>:
 do {
   var alt<decisionNumber>:int=<maxAlt>;
   <@predecision()>
   <decision>
   <@postdecision()>
   switch (alt<decisionNumber>) {
 <alts:{a | <altSwitchCase(i, a)}>
 default :
   if ( cnt<decisionNumber> >= 1 ) break loop<decisionNumber>;
   <ruleBacktrackFailure()>
   throw new EarlyExitException(<decisionNumber>, input);
   <! Need to add support for earlyExitException debug hook !>
   }
   cnt<decisionNumber>++;
 } while (true);
 <@postloop()>
 >>

```

```

 positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

 /** A (..)*
 block with 1 or more alternatives */
 closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
 <<
 // <fileName>:<description>
 <decls>
 <@preloop()>
 loop<decisionNumber>:
 do {
   var alt<decisionNumber>:int=<maxAlt>;
   <@predecision()>
   <decision>

```

```

<@postdecision()>
switch (alt<decisionNumber>) {
<alts:{a | <altSwitchCase(i, a)>}>
default :
    break loop<decisionNumber>;
}
} while (true);
<@postloop()>
>>

```

```
closureBlockSingleAlt ::= closureBlock
```

```

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */

```

```
optionalBlock ::= block
```

```
optionalBlockSingleAlt ::= block
```

```

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */

```

```

altSwitchCase(altNum, alt) ::= <<
case <altNum>
:
    <@prealt()>
    <alt>
    break;<\n>
>>

```

```

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

```

```

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */

```

```
noRewrite(rewriteBlockLevel, treeLevel) ::= ""
```

```
// E L E M E N T S
```

```

/** Dump the elements one per line */
element(e) ::= <<
<@prematch(>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=<labelType><(<endif>matchStream(input,<token>,FOLLOW_<token>_in_<ruleName><element
Index><if(label)>><endif>; <checkRuleBacktrackFailure(>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label,elem)
::= <<
if (list_<label>==null) list_<label>=new Array();
list_<label>.push(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
match(<char>); <checkRuleBacktrackFailure(>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
matchRange(<a>,<b>); <checkRuleBacktrackFailure(>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1);<\n>
<else>
<label>=<labelType>(input.LT(1));<\n>

```



```

<endif>
<endif>
if ( <s> ) {
    input.consume();
    <postmatchCode>
<if(!LEXER)>
    this.state.errorRecovery=false;
<endif>
    <if(backtracking)>this.state.failed=false;<endif>
}
else {
    <ruleBacktrackFailure()>
    <@mismatchedSetException()>
<if(LEXER)>
    throw recover(new MismatchedSetException(null,input));<\n>
<else>
    throw new MismatchedSetException(null,input);
    <! use following code to make it recover inline; remove throw mse;
    recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
    !>
<endif>
}<\n>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
var <label>Start:int = charIndex;
matchString(<string>); <checkRuleBacktrackFailure()>
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;
<label> = CommonToken.createFromStream(input, TokenConstants.INVALID_TOKEN_TYPE,
TokenConstants.DEFAULT_CHANNEL, <label>Start, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
matchString(<string>);
<checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=<labelType>(input.LT(1));<\n>
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(label, label)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
matchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 *
 * GMS: Note: do not use post-decrement operator! ASC produces
 * bad code for exceptions in this case.
 * See: https://bugs.adobe.com/jira/browse/ASC-3625
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name>(<args; separator=", ">);<\n>
state._fsp = state._fsp - 1;
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

```

```

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
var <label>Start<elementIndex>:int = charIndex;
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;
<if(scope)><scope.delegateName().<endif>m<rule.name>(<args;
separator=", ">); <checkRuleBacktrackFailure()>
<label> = CommonToken.createFromStream(input, TokenConstants.INVALID_TOKEN_TYPE,
TokenConstants.DEFAULT_CHANNEL, <label>Start<elementIndex>, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
<if(scope)><scope.delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
var <label>Start<elementIndex>:int = charIndex;
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;
match(EOF); <checkRuleBacktrackFailure()>
var <label>:<labelType>
= CommonToken.createFromStream(input, EOF, TokenConstants.DEFAULT_CHANNEL,
<label>Start<elementIndex>, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

// used for left-recursive rules

```

```

recRuleDefArg()          ::= "var <recRuleArg():int"
recRuleArg()            ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg() |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name)    ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
    enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==TokenConstants.DOWN ) {
    matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
    <children:element()>
    matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
}
<else>
matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if ( !(<evalPredicate(pred,description)>) ) {
    <ruleBacktrackFailure()>
    throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<n>
<edges; separator="\nelse ">
else {
<if(eotPredictsAlt)>
    alt<decisionNumber>=<eotPredictsAlt>;
<else>
    <ruleBacktrackFailure()>
    throw new
NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);<n>
    <! Need to add hook for noViableAltException() !>
<endif>

```

```

}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<\n>
<edges; separator="\nelse ">
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
 ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
  alt<decisionNumber>=<eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif> ) {
  <targetState>
}
>>

// F i x e d D F A (switch case)

```

```

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
 ::= <<
switch ( input.LA(<k> ) ) {
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
  alt<decisionNumber>=<eotPredictsAlt>;
<else>
  <ruleBacktrackFailure()>
  throw new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);<\n>
  <! Need to add hook for noViableAltException !>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( input.LA(<k> ) ) {
  <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( input.LA(<k> ) ) {
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
  alt<decisionNumber>=<eotPredictsAlt>;
  break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it |case <it>;}; separator="\n">
  {
  <targetState>
  }
  break;
>>

// C y c l i
c D F A

/** The code to initiate execution of a cyclic DFA; this is used

```

```

* in the rule to predict an alt just like the fixed DFA case.
* The <name> attribute is inherited via the parser, lexer, ...
*/
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input);
>>

cyclicDFACTOR(dfa) ::= <<

dfa<dfa.decisionNumber> = new DFA(this, <dfa.decisionNumber>,
    "<dfa.description>",
    DFA<dfa.decisionNumber>_eot, DFA<dfa.decisionNumber>_eof, DFA<dfa.decisionNumber>_min,
    DFA<dfa.decisionNumber>_max, DFA<dfa.decisionNumber>_accept, DFA<dfa.decisionNumber>_special,
    DFA<dfa.decisionNumber>_transition<if(dfa.specialStateSTs)>,
    DFA<dfa.decisionNumber>_specialStateTransition<endif>);

>>
/* Dump DFA tables as run-length-encoded Strings of octal values.
* Can't use hex as compiler translates them before compilation.
* These strings are split into multiple, concatenated strings.
* Java
puts them back together at compile time thankfully.
* Java cannot handle large static arrays, so we're stuck with this
* encode/decode approach. See analysis and runtime DFA for
* the encoding methods.
*/
cyclicDFA(dfa) ::= <<

private const DFA<dfa.decisionNumber>_eot:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedEOT; wrap=\""+\n  \>");
private const DFA<dfa.decisionNumber>_eof:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedEOF; wrap=\""+\n  \>");
private const DFA<dfa.decisionNumber>_min:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedMin; wrap=\""+\n  \>", true);
private const DFA<dfa.decisionNumber>_max:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedMax; wrap=\""+\n  \>", true);
private const DFA<dfa.decisionNumber>_accept:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedAccept; wrap=\""+\n  \>");
private const DFA<dfa.decisionNumber>_special:Array =
    DFA.unpackEncodedString("<dfa.javaCompressedSpecial;
wrap=\""+\n  \>");
private const DFA<dfa.decisionNumber>_transition:Array = [
    <dfa.javaCompressedTransition: {s|DFA.unpackEncodedString("<s; wrap=\""+\n\>"); separator=",\n">
];
<if(dfa.specialStateSTs)>
private function DFA<dfa.decisionNumber>_specialStateTransition(dfa:DFA, s:int, _input:IntStream):int {
    <if(LEXER)>
var input:IntStream = _input;

```

```

<endif>
<if(PARSER)>
var input:TokenStream = TokenStream(_input);
<endif>
<if(TREE_PARSER)>
var input:TreeNodeStream = TreeNodeStream(_input);
<endif>
var _s:int = s;
switch ( s ) {
  <dfa.specialStateSTs:{state |
    case <i0> : <! compressed special state numbers 0..n-1 !>
      <state>}; separator="\n">
    }
<if(backtracking)>
  if (this.state.backtracking>0) {this.state.failed=true; return -1;}<\n>
<endif>
  throw dfa.error(new NoViableAltException(dfa.description, <dfa.decisionNumber>,
    _s, input));
}<\n>
<endif>

protected var dfa<dfa.decisionNumber>:DFA; // initialized in constructor

>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
var index<decisionNumber>_<stateNumber>:int = input.index;
input.rewind();<\n>
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);<\n>
<endif>
if ( s>=0 ) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif>)

```



```

{s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\\\"\\\">"

notPredicate(pred) ::= "!(<evalPredicate(pred,{}>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atomAsInt>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atomAsInt>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<stateNumber> >= <lowerAsInt> && LA<decisionNumber>_<stateNumber>
\<= <upperAsInt>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >=
<lowerAsInt> && input.LA(<k>) \<= <upperAsInt>)"

setTest(ranges) ::= <<
<ranges; separator=\\\"\\\">
>>

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected var <scope.name>_stack:Array = new Array();<\n>
<endif>

```

```

>>

ruleAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected var <scope.name>_stack:Array = new Array();<\n>
<endif>
>>

returnStructName() ::= "<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope"

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<returnStructName()>
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

delegateName(d)
::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<asTypeInitMap.(typeName)>
>>

```

```

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
var <label.label.text>:<ruleLabelType(referencedRule=label.referencedRule)> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public static class <returnType()> extends <if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope
{
  <scope.attributes:{it |public <it.decl>;}; separator="\n">
  <@ruleReturnMembers()>
};
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.name>:<it.type>; separator=","}>
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>";

scopeAttributeRef(scope,attr,index,negIndex) ::= <<
<if(negIndex)>
<scope>_stack[<scope>_stack.length-<negIndex>-1].<attr.name>
<else>
<if(index)>
<scope>_stack[<index>].<attr.name>
<else>
<scope>_stack[<scope>_stack.length-1].<attr.name>
<endif>
<endif>
>>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <<
<if(negIndex)>
<scope>_stack[<scope>_stack.length-<negIndex>-1].<attr.name> =<expr>;
<else>
<if(index)>
<scope>_stack[<index>].<attr.name> =<expr>;
<else>
<scope>_stack[<scope>_stack.length-1].<attr.name> =<expr>;

```

```

<endif>
<endif>
>>

/** $x is either global scope or x is rule with
dynamic scope; refers
* to stack itself not top of stack. This is useful for predicates
* like {$function.size(>0 && $function::name.equals("foo"))}?
*/
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?<scope>.values.<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.values.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.values.<attr.name> =<expr>;
<else>
<attr.name> =<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure
the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>!=null?<scope>.text:null)"
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>!=null?<scope>.type:0)"

```

```

tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=null?<scope>.line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=null?<scope>.charPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=null?<scope>.channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=null?<scope>.tokenIndex:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=null?int(<scope>.text):0)"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=null?<labelType>(<scope>.start):null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=null?<labelType>(<scope>.stop):null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>!=null?<ASTLabelType>(<scope>.tree):null)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(<scope>!=null?(input.tokenStream.toStringWithRange(
  input.treeAdaptor.getTokenStartIndex(<scope>.start),
  input.treeAdaptor.getTokenStopIndex(<scope>.start)))):null)
<else>
(<scope>!=null?input.toStringWithTokenRange(<scope>.start,<scope>.stop):null)
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?<scope>.st:null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
  "<scope>!=null?<scope>.type:0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=
  "<scope>!=null?<scope>.lien:0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
  "<scope>!=null?<scope>.charPositionInLine:0)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::=
  "<scope>!=null?<scope>.channel:0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
  "<scope>!=null?<scope>.tokenIndex:0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
  "<scope>!=null?<scope>.text:null)"
lexerRuleLabelPropertyRef_int(scope,attr)
  ::=
  "<scope>!=null?int(<scope>.text):0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "<labelType>(retval.start)"
rulePropertyRef_stop(scope,attr) ::= "<labelType>(retval.stop)"
rulePropertyRef_tree(scope,attr) ::= "<ASTLabelType>(retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.tokenStream.toStringWithRange(

```

```

input.treeAdaptor.getTokenStartIndex(retval.start),
input.treeAdaptor.getTokenStopIndex(retval.start)
<else>
input.toStringWithTokenRange(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined
token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(charIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>";

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {
  <action>
}
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static const <name>:BitSet = new BitSet([<words64: {it |<it>};separator=", ">]);<n>
>>

codeFileExtension() ::=
".as"

true_value() ::= "true"

```

```
false_value() ::= "false"
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/ActionScript/ActionScript.stg
```

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```
/*
```

```
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```

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```
*/
```

```
/** Template overrides to add debugging to AST stuff. Dynamic inheritance
```

```
* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.
```

```
*/
```

```
parserMembers() ::= <<
```

```
protected DebugTreeAdaptor adaptor;
```

```
public void setTreeAdaptor(TreeAdaptor adaptor) {
```

```
<if(grammar.grammarIsRoot)>
```

```
    this.adaptor = new DebugTreeAdaptor(dbg, adaptor);
```

```
<else>
```

```
    this.adaptor = (DebugTreeAdaptor) adaptor; // delegator sends dbg adaptor
```

```
<endif>
```

```

    <grammar.directDelegates:{g|<g:delegateName()>.setTreeAdaptor(this.adaptor);}>
    }
    public
    TreeAdaptor getTreeAdaptor() {
        return adaptor;
    }
    >>

    parserCtorBody() ::= <<
    <super.parserCtorBody()>
    >>

    createListenerAndHandshake() ::= <<
    DebugEventSocketProxy proxy =
        new DebugEventSocketProxy(this,port,<if(TREE_PARSER)>input.getTreeAdaptor()<else>adaptor<endif>);
    setDebugListener(proxy);
    set<inputStreamType>(new Debug<inputStreamType>(input,proxy));
    try {
        proxy.handshake();
    }
    catch (IOException ioe) {
        reportError(ioe);
    }
    >>

    @ctorForRootGrammar.finally() ::= <<
    TreeAdaptor adap = new CommonTreeAdaptor();
    setTreeAdaptor(adap);
    proxy.setTreeAdaptor(adap);
    >>

    @ctorForProfilingRootGrammar.finally() ::= <<
    TreeAdaptor adap = new CommonTreeAdaptor();
    setTreeAdaptor(adap);
    >>

    @ctorForPredefinedListener.superClassRef() ::= "super(input, dbg);"

    @ctorForPredefinedListener.finally() ::= <<
    <if(grammar.grammarIsRoot)> <! don't create new adaptor for delegates !>
    TreeAdaptor
        adap = new CommonTreeAdaptor();
    setTreeAdaptor(adap);
    <endif>
    >>

    @rewriteElement.pregen() ::= "dbg.location(<e.line>,<e.pos>);"

```


Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/Java/ASTDbg.stg
```

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```
/*
```

```
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```
*/
```

```
/** Templates for building ASTs during normal parsing.
```

```
*
```

```
* Deal with many combinations. Dimensions are:
```

```
* Auto build or rewrite
```

```
* no label, label, list label (label/no-label handled together)
```

```
* child, root
```

```
* token, set, rule, wildcard
```

```
*
```

```
* The situation is not too bad as rewrite (->) usage makes ^ and !
```

```
* invalid. There is no huge explosion of combinations.
```

```
*/
```

```
@rule.setErrorReturnValue() ::= <<
```

```
/* ASTParser
```

```

rule.setErrorReturnValue */
retval.tree = (<ASTLabelType> *)[treeAdaptor errorNode:input From:retval.start To:[input LT:-1] Exception:re];
<! System.out.println("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token, label, elementIndex, terminalOptions) ::= <<
/* ASTParser tokenRef */
<super.tokenRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = <createNodeFromToken(...)>;
[treeAdaptor addChild:<label>_tree toTree:root_0];
<if(backtracking)>}<endif>
>>

/* ID! and output=AST (same as plain tokenRef) */
/* ASTParser tokenRefBang */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = <createNodeFromToken(...)>;
root_0
= (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>_tree old:root_0];
<if(backtracking)>}<endif>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser tokenRefBangAndListLabel */
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser tokenRefAndListLabel */
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
/* ASTParser tokenRefRuleRootAndListLabel */

```

```

<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I
// need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <%
/* ASTParser matchSet */
<super.matchSet(postmatchCode={<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
 [treeAdaptor addChild:<createNodeFromToken(...)> toTree:root_0 ];}, ...)>
%>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
/* ASTParser matchRuleBlockSet */
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions, postmatchCode) ::= "<super.matchSet(...)>"

// note
// there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
/* ASTParser matchSetRuleRoot */
<if(label)>
<label>=<(<labelType> *)[input LT:1]; /* matchSetRuleRoot */<n>
<endif>
<super.matchSet(postmatchCode={<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createNodeFromToken(...)> old:root_0];}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<

```

```

/* ASTParser ruleRef */
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
[treeAdaptor addChild:[<label> getTree] toTree:root_0];
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefRuleRoot
*/
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:[<label> getTree] old:root_0];
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefAndListLabel */
<ruleRef(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefBangAndListLabel */
<ruleRefBang(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefRuleRootAndListLabel */
<ruleRefRuleRoot(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser wildcard */
<super.wildcard(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate>
) {<endif>
[treeAdaptor addChild:[treeAdaptor create:<label>] retain] toTree:root_0];
<if(backtracking)>}<endif>

```

>>

```
wildcardBang(token,label,elementIndex,terminalOptions) ::= "<super.wildcard(...)>"
```

```
wildcardRuleRoot(token,label,elementIndex,terminalOptions) ::= <<  
/* ASTParser wildcardRuleRoot */  
<super.wildcard(...)>  
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>  
  <label>_tree = [[treeAdaptor create:<label>] retain]  
  root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>_tree old:root_0];  
<if(backtracking)>}<endif>  
>>
```

```
createNodeFromToken(label,terminalOptions) ::= <<  
/* ASTParser createNodeFromToken */  
<if(terminalOptions.node)>  
[<terminalOptions.node> new<terminalOptions.node>:<label>] <! new MethodNode(IDLabel) !>  
<else>  
(<ASTLabelType> *)[treeAdaptor create:<label>] retain]  
<endif>  
>>
```

```
// straight from java cleanup ///  
ruleCleanUp() ::= <<  
/* ASTParser ruleCleanUp */  
<super.ruleCleanUp()>  
<if(backtracking)>if  
  ( <actions.(actionScope).synpredgate> ) {<n><endif>  
  retval.tree = (<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0];  
  [treeAdaptor setTokenBoundaries:retval.tree From:retval.start To:retval.stopToken];  
<if(backtracking)>}<endif>  
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/ObjC/ASTParser.stg
```

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```

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

/** Add a variable to track last element matched */

ruleDeclarations()

::= <<

<super.ruleDeclarations()>

var _first_0:<ASTLabelType> = null;

var _last:<ASTLabelType> = null;<\n>

>>

/** What to emit when there is no rewrite rule. For auto build

* mode, does nothing.

*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>

<if(rewriteMode)>

retval.tree = <ASTLabelType>(_first_0);

if (adaptor.getParent(retval.tree)!=null && adaptor.isNil(adaptor.getParent(retval.tree)))

retval.tree = <ASTLabelType>(adaptor.getParent(retval.tree));

```

<endif>
<if(backtracking)>}<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
      enclosingTreeLevel, treeLevel) ::= <<
_last = <ASTLabelType>(input.LT(1));
{
var _save_last_<treeLevel>:<ASTLabelType> = _last;
var _first_<treeLevel>:<ASTLabelType> = null;
<if(!rewriteMode)>
var root_<treeLevel>:<ASTLabelType> =
  <ASTLabelType>(adaptor.nil());
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
<if(root.el.rule)>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==TokenConstants.DOWN ) {
  matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
  <children:element()>
  matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
}
<else>
matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

//
TOKEN AST STUFF

```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>( <label> );
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/**
^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>( <label> );
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<label>_tree, root_<treeLevel>));
<if(backtracking)>}<endif>
<endif>

```



```

>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate>
) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.dupTree(<label>);
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else><! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite(...)> <! set return
tree !>
>>

```

```

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>( <label> );
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<label>_tree, root_<treeLevel>));
<if(backtracking)>}<endif>
<endif>
}, ...
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>
<if(!rewriteMode)>
adaptor.addChild(root_<treeLevel>, <label>.tree);
<else> <! rewrite mode !>
if ( _first_<treeLevel>==null
) _first_<treeLevel> = <label>.tree;
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree }>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRef(...)>
<if(!rewriteMode)>

```

```

<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>root_<treeLevel> =
<ASTLabelType>(adaptor.becomeRoot(<label>.tree, root_<treeLevel>));
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope)
::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanUp() ::= <<

```

```

<super.ruleCleanUp()>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<\n><endif>
retval.tree = <ASTLabelType>(adaptor.rulePostProcessing(root_0));
<if(backtracking)>}<endif>
<endif>
>>

```

Found

in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/ActionScript/ASTTreeParser.stg
No license file was found, but licenses were detected in source scan.

```

```

/*

```

```

[The "BSD license"]

```

```

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```

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```

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```

*/

```

```

/** Template subgroup to add template rewrite output

```

```

* If debugging, then you'll also get STDbg.stg loaded.

```

```

*/

```

```

@outputFile.imports() ::= <<

```

```

<@super.imports()>

```

```

import org.stringtemplate.v4.*;
import java.util.HashMap;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturnMembers() ::= <<
/* ST returnScope.ruleReturnMembers -- empty */
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.memvars()
::= <<
ST *st;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.properties() ::= <<
@property (retain) ST *st;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.methodsDecl() ::= <<
- (ST *)getTemplate;
- (NSString *)toString;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.synthesize() ::= <<
@synthesize st;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.methods() ::= <<
- (ST *)getTemplate { return st; }
- (NSString *)toString { return st==nil?nil:[st render]; }
>>

@genericParser.members() ::= <<
<@super.members(>
STGroup *templateLib = [STGroup newSTGroup];

- (void)setTemplateLib:(STGroup *)aTemplateLib
{
    self.templateLib = aTemplateLib;
}

- (STGroup *)getTemplateLib
{

```

```

    return templateLib;
}
>>

@genericParserHeaderFile.memVars() ::= <<
<@super.memVars()>
/* ST genericParserHeaderFile.memVars -- empty
now */
STGroup *templateLib; /* ST -- really a part of STAttrMap */
>>

@genericParserHeaderFile.properties() ::= <<
<@super.properties()>
/* ST genericParser.properties */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
>>

@genericParserHeaderFile.methodsDecl() ::= <<
<@super.methodsDecl()>
/* ST genericParser.methodsDecl */
- init;
- (STGroup *) getTemplateLib;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
@end
>>

@genericParser.synthesize() ::= <<
<@super.synthesize()>
/* ST genericParserImplementation.synthesize */
@synthesize templateLib;
>>

@genericParser.methods() ::= <<
<@super.methods()>
/* ST genericParser.methods */

- (STGroup *)getTemplateLib
{
    return templateLib;
}

- (void) setTemplateLib:(STGroup *)aTemplateLib
{
    templateLib = aTemplateLib;
}

>>

```

```

@genericParser.members() ::= <<
<@super.members(>
STGroup *templateLib = [STGroup newSTGroup];

- (STGroup *) getTemplateLib
{
    return templateLib;
}

- (void) setTemplateLib:(STGroup *) templateLib
{
    this.templateLib = templateLib;
}

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, { [<label> getTemplate]; })>
>>

rewriteTemplate(alts) ::= <<

// TEMPLATE REWRITE
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {
    <alts:rewriteTemplateAlt(); separator="else ">
    <if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
    [((TokenRewriteStream)input getTokenStream)]
    replaceFromIndex:[input getTreeAdaptor] getTokenStartIndex:retval.start
    ToIndex:[input getTreeAdaptor] getTokenStopIndex:retval.start
    Text:[retval.st render]];
<else>
    [((TokenRewriteStream)input)
    replaceFromIndex:[((Token)retval.start)
    getTokenIndex]
    ToIndex:[input LT:-1] getTokenIndex]
    Text:[retval.st render]];
<endif>
>>

```

```

rewriteTemplateAlt(alt) ::= <<
// <alt.description>
<if(alt.pred)>
if (<alt.pred>) {
    retval.st = <alt.alt>;
}<\n>
<else>
{
    retval.st = <alt.alt>;
}<\n>
<endif>
>>

```

```

rewriteEmptyTemplate(alts) ::= <<
nil;
>>

```

```

/** Invoke a template with a set of attribute name/value pairs.
* Set the value of the rule's template *after* having set
* the attributes because the rule's template might be used as
* an attribute to build a bigger template; you get a self-embedded
* template.
*/

```

```

rewriteExternalTemplate(name,args) ::= <%
<if(args)><args:{ a | []}><endif>
[templateLib getInstanceOf:@"<name>"]
<if(args)><args:{ a | add:@"<a.name>" value:<a.value>}]><endif>;
%>

```

```

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
<if(args)><args:{ a | []}><endif>
[templateLib getInstanceOf:<expr>];
<if(args)><args:{ a
| add:@"<a.name>" value:<a.value>}]><endif>;
%>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
<if(args)><args:{ a | []}><endif>
[ST newST:templateLib template:"<template>"]
<if(args)><args:{ a | add:@"<a.name>" <a.value>}]><endif>;
%>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>

```


>>

```
/** An action has %st.attrName=expr; or % {st}.attrName=expr; */  
actionSetAttribute(st,attrName,expr) ::= <<  
[(<st>) setAttribute:@"<attrName>" value:<expr>];  
>>
```

```
/** Translate % {stringExpr} */  
actionStringConstructor(stringExpr) ::= <<  
[ST newST:templateLib template:<stringExpr>];  
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/ObjC/ST4ObjC.stg
```

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```
/*
```

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```
*/
```

```
/** ANTLR's code generator.
```

```
*
```

```
* Generate recognizers derived from grammars. Language independence
```

```

* achieved through the use of STGroup objects. All output
* strings are completely encapsulated in the group files such as Java.stg.
* Some computations are done that are unused by a particular language.
* This generator just computes and sets the values into the templates;
* the templates are free
to use or not use the information.
*
* To make a new code generation target, define X.stg for language X
* by copying from existing Y.stg most closely related to your language;
* e.g., to do CSharp.stg copy Java.stg. The template group file has a
* bunch of templates that are needed by the code generator. You can add
* a new target w/o even recompiling ANTLR itself. The language=X option
* in a grammar file dictates which templates get loaded/used.
*
* Some language like C need both parser files and header files. Java needs
* to have a separate file for the cyclic DFA as ANTLR generates bytecodes
* directly (which cannot be in the generated parser Java file). To facilitate
* this,
*
* cyclic can be in same file, but header, output must be searpate. recognizer
* is in outptufile.
*/

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/CodeGenerator.java
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```

```

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```

```

/** Templates for building ASTs during tree parsing.

```

```

*
* Deal with many combinations. Dimensions are:
* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* Each combination has its own template except
that label/no label
* is combined into tokenRef, ruleRef, ...
*/

```

```

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<if(!ruleDescriptor.isSynPred)>
<ASTLabelType> _first_0 = default(<ASTLabelType>);
<ASTLabelType> _last = default(<ASTLabelType>);
<endif>
>>

```

```

/** What to emit when there is no rewrite rule. For auto build

```

```

* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(rewriteMode)>
retval.Tree = (<ASTLabelType>)_first_0;
if (adaptor.GetParent(retval.Tree)!=null && adaptor.IsNil(adaptor.GetParent(retval.Tree)))
retval.Tree = (<ASTLabelType>)adaptor.GetParent(retval.Tree);
<endif>
<if(backtracking)>}<endif>
<endif>
>>

```

```

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
      enclosingTreeLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
  _last = (<ASTLabelType>)input.LT(1);
  {
    <ASTLabelType> _save_last_<treeLevel> = _last;
    <ASTLabelType> _first_<treeLevel> = default(<ASTLabelType>);
    <if(!rewriteMode)>
      <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
    <endif>
    <root:element()>
    <if(rewriteMode)>
      <if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
    <if(root.el.rule)>
      if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>.Tree;
    <else>
      if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>;
    <endif>
    <endif>
    <actionsAfterRoot:element()>
    <if(nullableChildList)>
      if (input.LA(1) == TokenType.Down) {
        Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
        <children:element()>
        Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
      }
    <else>
      Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
    <children:element()>
      Match(input,
        TokenType.Up, null); <checkRuleBacktrackFailure()>
    <endif>
    <if(!rewriteMode)>
      adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
    <endif>
    _last = _save_last_<treeLevel>;
  }
<else>
  <super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>
<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text;
format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.tokenRef(...)>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefAndListLabel(...)>
<endif>

```

>>

*/** ^(ID ...) auto construct */*

tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<

<if(!ruleDescriptor.isSynPred)>

_last = (<ASTLabelType>)input.LT(1);

<super.tokenRef(...)>

<if(!rewriteMode)>

<if(backtracking)>if

(<actions.(actionScope).synpredgate>) {<endif>

<if(terminalOptions.node)>

<label>_tree = new

<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>);

<else>

<label>_tree =

(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>);

<endif><\n>

root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);

<if(backtracking)>}<endif>

<endif>

<else>

<super.tokenRefRuleRoot(...)>

<endif>

>>

*/** Match ^(label+=TOKEN ...) auto construct */*

tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<

<if(!ruleDescriptor.isSynPred)>

<tokenRefRuleRoot(...)>

<listLabelElem(elem=label,...)>

<else>

<super.tokenRefRuleRootAndListLabel(...)>

<endif>

>>

*/** Match . wildcard*

*and auto dup the node/subtree */*

wildcard(token,label,elementIndex,terminalOptions) ::= <<

<if(!ruleDescriptor.isSynPred)>

_last = (<ASTLabelType>)input.LT(1);

<super.wildcard(...)>

<if(!rewriteMode)>

<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>

<label>_tree = (<ASTLabelType>)adaptor.DupTree(<label>);

adaptor.AddChild(root_<treeLevel>, <label>_tree);

<if(backtracking)>}<endif>

```

<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate><endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.wildcard(...)>
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text;
format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSet(...)>
<endif>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
<endif>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>

```

```

_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
<else>
<super.matchSetBang(...)>
<endif>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if
(<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSetRuleRoot(...)>
<endif>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<treeLevel>,
<label>.Tree);
<else> <! rewrite mode !>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>.Tree;
<endif>
<else>
<super.ruleRef(...)>

```



```

<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefAndListLabel(...)>
<endif>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_<treeLevel>);
<endif>
<else>
<super.ruleRefRuleRoot(...)>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope)
::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefRuleRootAndListLabel(...)>
<endif>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);

```

```

<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRootTrack(...)>
<else>
<super.ruleRefRuleRootTrack(...)>
<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope)
::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/** Streams for token refs are tree nodes now; override to
 * change NextToken to NextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,args) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif>stream_<token>.NextNode())
<else>
stream_<token>.NextNode()
<endif>
%>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>

```

>>

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/CSharp3/ASTTreeParser.stg
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```
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```

```
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```

```
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```

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import stringtemplate3
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnInit() ::= <<
```

```
self.st = None
```

```
>>
```

```

@returnScope.ruleReturnMembers() ::= <<
def getTemplate(self):
    return self.st

def toString(self):
    if self.st is not None:
        return
    self.st.toString()
    return None
__str__ = toString

>>

@genericParser.init() ::= <<
<@super.init(>
self.templateLib = stringtemplate3.StringTemplateGroup(
    '<name>Templates', lexer='angle-bracket'
    )
)

>>

@genericParser.members() ::= <<
<@super.members(>
def setTemplateLib(self, templateLib):
    self.templateLib = templateLib

def getTemplateLib(self):
    return self.templateLib

>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.st})>
>>

rewriteTemplate(alts) ::= <<
# TEMPLATE REWRITE
<if(backtracking)>
if <actions.(actionScope).synpredgate>:
    <first(alts):rewriteTemplateAltFirst(>
    <rest(alts):{it | el<rewriteTemplateAlt(it)>}>
    <if(rewriteMode)><replaceTextInLine(><endif>

<else>
<first(alts):rewriteTemplateAltFirst(>

```

```

<rest(alts):{it | el<rewriteTemplateAlt(it)>}>
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

```

```

replaceTextInLine()
::= <<
<if(TREE_PARSER)>
self.input.getTokenStream().replace(
    self.input.getTreeAdaptor().getTokenStartIndex(retval.start),
    self.input.getTreeAdaptor().getTokenStopIndex(retval.start),
    retval.st
)
<else>
self.input.replace(
    retval.start.getTokenIndex(),
    self.input.LT(-1).getTokenIndex(),
    retval.st
)
<endif>
>>

```

```

rewriteTemplateAltFirst(alt) ::= <<
<if(alt.pred)>
if <alt.pred>:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<else>
# <alt.description>
retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteTemplateAlt(alt) ::= <<
<if(alt.pred)>if <alt.pred>:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<else>se:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteEmptyTemplate(alts) ::= <<

```

None

>>

```
/** Invoke a template with a set of attribute name/value pairs.
```

```
* Set the value of the rule's template after having set
```

```
* the attributes because the rule's
```

```
template might be used as
```

```
* an attribute to build a bigger template; you get a self-embedded
```

```
* template.
```

```
*/
```

```
rewriteExternalTemplate(name,args) ::= <%
```

```
self.templateLib.getInstanceOf("<name><if(args)>, attributes={<args:{ a | "<a.name>": <a.value>}; separator=",">><endif>)
```

```
%>
```

```
/** expr is a string expression that says what template to load */
```

```
rewriteIndirectTemplate(expr,args) ::= <%
```

```
self.templateLib.getInstanceOf(<expr><if(args)>, attributes={<args:{ a | "<a.name>": <a.value>}; separator=",">><endif>)
```

```
%>
```

```
/** Invoke an inline template with a set of attribute name/value pairs */
```

```
rewriteInlineTemplate(args, template) ::= <%
```

```
stringtemplate3.StringTemplate("<template>", group=self.templateLib<if(args)>, attributes={<args:{ a | "<a.name>": <a.value>}; separator=",">><endif>)
```

```
%>
```

```
/** plain -> {foo} action */
```

```
rewriteAction(action) ::= <<
```

```
<action>
```

```
>>
```

```
/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
```

```
actionSetAttribute(st,attrName,expr) ::= <<
```

```
(<st>)[ "<attrName>"]
```

```
= <expr>
```

```
>>
```

```
/** Translate % {stringExpr} */
```

```
actionStringConstructor(stringExpr) ::= <<
```

```
stringtemplate3.StringTemplate(<stringExpr>, group=self.templateLib)
```

```
>>
```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python3/ST.stg

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```
/*
```

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*/

/*

New style messages. This file only contains the messages in English, but no information about which file, line, or column it occurred in.

The location and message ids are taken out of the formats directory.

Kay Roepke

*/

group en_US;

// TOOL ERRORS

// file errors

CANNOT_WRITE_FILE(arg,exception,stackTrace) ::= <<

cannot write file <arg>: <exception>

<stackTrace; separator="\n">

>>

CANNOT_CLOSE_FILE(arg,exception,stackTrace)

::= "cannot close file <arg>: <exception>"

CANNOT_FIND_TOKENS_FILE(arg) ::= "cannot find tokens file <arg>"

ERROR_READING_TOKENS_FILE(arg,exception,stackTrace) ::= <<

problem reading token vocabulary file <arg>: <exception>

<stackTrace; separator="\n">

>>

```
DIR_NOT_FOUND(arg,exception,stackTrace) ::= "directory not found: <arg>"
OUTPUT_DIR_IS_FILE(arg,exception,stackTrace) ::= "output directory is a file: <arg>"
CANNOT_OPEN_FILE(arg,exception,stackTrace) ::= "cannot find or open file: <arg><if(exception)>; reason:
<exception><endif>"
CIRCULAR_DEPENDENCY() ::= "your grammars contain a circular dependency and cannot be sorted into a valid
build order."
```

```
INTERNAL_ERROR(arg,arg2,exception,stackTrace) ::= <<
internal error: <arg> <arg2><if(exception)>; <exception><endif>
<stackTrace; separator="\n">
```

```
>>
```

```
INTERNAL_WARNING(arg) ::= "internal warning: <arg>"
```

```
ERROR_CREATING_ARTIFICIAL_RULE(arg,exception,stackTrace) ::= <<
problems creating lexer rule listing all tokens: <exception>
```

```
<stackTrace;
```

```
separator="\n">
```

```
>>
```

```
TOKENS_FILE_SYNTAX_ERROR(arg,arg2) ::=
```

```
"problems parsing token vocabulary file <arg> on line <arg2>"
```

```
CANNOT_GEN_DOT_FILE(arg,exception,stackTrace) ::=
```

```
"cannot write DFA DOT file <arg>; <exception>"
```

```
BAD_ACTION_AST_STRUCTURE(exception,stackTrace) ::=
```

```
"bad internal tree structure for action '<arg>': <exception>"
```

```
BAD_AST_STRUCTURE(arg,exception,stackTrace) ::= <<
```

```
bad internal tree structure '<arg>': <exception>
```

```
<stackTrace; separator="\n">
```

```
>>
```

```
FILE_AND_GRAMMAR_NAME_DIFFER(arg,arg2) ::=
```

```
"file <arg2> contains grammar <arg>; names must be identical"
```

```
FILENAME_EXTENSION_ERROR(arg) ::=
```

```
"file <arg> must end in a file extension, normally .g"
```

```
// code gen errors
```

```
MISSING_CODE_GEN_TEMPLATES(arg) ::=
```

```
"cannot find code generation templates <arg>.stg"
```

```
MISSING_CYCLIC_DFA_CODE_GEN_TEMPLATES() ::=
```

```
"cannot find code generation cyclic DFA templates for language <arg>"
```

```
CODE_GEN_TEMPLATES_INCOMPLETE(arg) ::=
```

```
"at least one code generation template
```

```
missing for language <arg>"
```

```
CANNOT_CREATE_TARGET_GENERATOR(arg,exception,stackTrace) ::=
```

```
"cannot create target <arg> code generator: <exception>"
```

```
STRING_TEMPLATE_ERROR(arg,exception,stackTrace) ::=
```

```
"template error: <arg>"
```

```
CANNOT_COMPUTE_SAMPLE_INPUT_SEQ() ::=
```

```
"cannot generate a sample input sequence from lookahead DFA"
```

```
// grammar interpretation errors
```



```

/*
NO_VIABLE_DFA_ALT(arg,arg2) ::=
    "no viable transition from state <arg> on <arg2> while interpreting DFA"
*/

// GRAMMAR ERRORS
SYNTAX_ERROR(arg) ::= "syntax error: <arg>"
RULE_REDEFINITION(arg) ::=
    "rule <arg> redefinition"
LEXER_RULES_NOT_ALLOWED(arg) ::=
    "lexer rule <arg> not allowed in parser"
PARSER_RULES_NOT_ALLOWED(arg) ::=
    "parser rule <arg> not allowed in lexer"
CANNOT_FIND_ATTRIBUTE_NAME_IN_DECL(arg) ::=
    "cannot find an attribute name in attribute declaration"
NO_TOKEN_DEFINITION(arg) ::=
    "no lexer rule corresponding to token: <arg>"
UNDEFINED_RULE_REF(arg) ::=
    "reference to undefined rule:
    <arg>"
LITERAL_NOT_ASSOCIATED_WITH_LEXER_RULE(arg) ::=
    "literal has no associated lexer rule: <arg>"
CANNOT_ALIAS_TOKENS_IN_LEXER(arg) ::=
    "literals are illegal in lexer tokens{} section: <arg>"
ATTRIBUTE_REF_NOT_IN_RULE(arg,arg2) ::=
    "reference to attribute outside of a rule: <arg><if(arg2)>.<arg2><endif>"
UNKNOWN_ATTRIBUTE_IN_SCOPE(arg,arg2) ::=
    "unknown attribute for <arg>: <arg2>"
UNKNOWN_RULE_ATTRIBUTE(arg,arg2) ::=
    "unknown attribute for rule <arg>: <arg2>"
UNKNOWN_SIMPLE_ATTRIBUTE(arg,args2) ::=
    "attribute is not a token, parameter, or return value: <arg>"
ISOLATED_RULE_SCOPE(arg) ::=
    "missing attribute access on rule scope: <arg>"
INVALID_RULE_PARAMETER_REF(arg,arg2) ::=
    "cannot access rule <arg>'s parameter: <arg2>"
INVALID_RULE_SCOPE_ATTRIBUTE_REF(arg,arg2) ::=
    "cannot access rule <arg>'s dynamically-scoped attribute: <arg2>"
SYMBOL_CONFLICTS_WITH_GLOBAL_SCOPE(arg) ::=
    "symbol <arg> conflicts with global dynamic scope with same name"
WRITE_TO_READONLY_ATTR(arg,arg2,arg3)
::=
    "cannot write to read only attribute: $<arg><if(arg2)>.<arg2><endif>"
LABEL_CONFLICTS_WITH_RULE(arg) ::=
    "label <arg> conflicts with rule with same name"
LABEL_CONFLICTS_WITH_TOKEN(arg) ::=
    "label <arg> conflicts with token with same name"
LABEL_CONFLICTS_WITH_RULE_SCOPE_ATTRIBUTE(arg,arg2) ::=

```

```

"label <arg> conflicts with rule <arg2>'s dynamically-scoped attribute with same name"
LABEL_CONFLICTS_WITH_RULE_ARG_RETVAL(arg,arg2) ::=
"label <arg> conflicts with rule <arg2>'s return value or parameter with same name"
ATTRIBUTE_CONFLICTS_WITH_RULE(arg,arg2) ::=
"rule <arg2>'s dynamically-scoped attribute <arg> conflicts with the rule name"
ATTRIBUTE_CONFLICTS_WITH_RULE_ARG_RETVAL(arg,arg2) ::=
"rule <arg2>'s dynamically-scoped attribute <arg> conflicts with<arg2>'s return value or parameter with same
name"
LABEL_TYPE_CONFLICT(arg,arg2) ::=
"label <arg> type mismatch with previous definition: <arg2>"
ARG_RETVAL_CONFLICT(arg,arg2) ::=
"rule
<arg2>'s argument <arg> conflicts a return value with same name"
NONUNIQUE_REF(arg) ::=
"<arg> is a non-unique reference"
FORWARD_ELEMENT_REF(arg) ::=
"illegal forward reference: <arg>"
MISSING_RULE_ARGS(arg) ::=
"missing parameter(s) on rule reference: <arg>"
RULE_HAS_NO_ARGS(arg) ::=
"rule <arg> has no defined parameters"
ARGS_ON_TOKEN_REF(arg) ::=
"token reference <arg> may not have parameters"
ILLEGAL_OPTION(arg) ::=
"illegal option <arg>"
LIST_LABEL_INVALID_UNLESS_RETVAL_STRUCT(arg) ::=
"rule '+=' list labels are not allowed w/o output option: <arg>"
UNDEFINED_TOKEN_REF_IN_REWRITE(arg) ::=
"reference to undefined token in rewrite rule: <arg>"
REWRITE_ELEMENT_NOT_PRESENT_ON_LHS(arg) ::=
"reference to rewrite element <arg> without reference on left of ->"
UNDEFINED_LABEL_REF_IN_REWRITE(arg) ::=
"reference to undefined label in rewrite rule: $<arg>"
NO_GRAMMAR_START_RULE (arg) ::=
"grammar <arg>: no start rule (no rule can obviously be followed
by EOF)"
EMPTY_COMPLEMENT(arg) ::= <<
<if(arg)>
set complement ~<arg> is empty
<else>
set complement is empty
<endif>
>>
UNKNOWN_DYNAMIC_SCOPE(arg) ::=
"unknown dynamic scope: <arg>"
UNKNOWN_DYNAMIC_SCOPE_ATTRIBUTE(arg,arg2) ::=
"unknown dynamically-scoped attribute for scope <arg>: <arg2>"
RULE_REF_AMBIG_WITH_RULE_IN_ALT(arg) ::=

```

"reference \$<arg> is ambiguous; rule <arg> is enclosing rule and referenced in the production (assuming enclosing rule)"

ISOLATED_RULE_ATTRIBUTE(arg) ::=

"reference to locally-defined rule scope attribute without rule name: <arg>"

INVALID_ACTION_SCOPE(arg,arg2) ::=

"unknown or invalid action scope for <arg2> grammar: <arg>"

ACTION_REDEFINITION(arg) ::=

"redefinition of <arg> action"

DOUBLE_QUOTES_ILLEGAL(arg) ::=

"string literals must use single quotes (such as '\begin\'): <arg>"

INVALID_TEMPLATE_ACTION(arg) ::=

"invalid StringTemplate % shorthand syntax: '<arg>'"

MISSING_ATTRIBUTE_NAME() ::=

"missing attribute
name on \$ reference"

ARG_INIT_VALUES_ILLEGAL(arg) ::=

"rule parameters may not have init values: <arg>"

REWRITE_OR_OP_WITH_NO_OUTPUT_OPTION(arg) ::=

"<if(arg)>rule <arg> uses <endif>rewrite syntax or operator with no output option; setting output=AST"

AST_OP_WITH_NON_AST_OUTPUT_OPTION(arg) ::=

"AST operator with non-AST output option: <arg>"

NO_RULES(arg) ::= "grammar file <arg> has no rules"

MISSING_AST_TYPE_IN_TREE_GRAMMAR(arg) ::=

"tree grammar <arg> has no ASTLabelType option"

REWRITE_FOR_MULTI_ELEMENT_ALT(arg) ::=

"with rewrite=true, alt <arg> not simple node or obvious tree element; text attribute for rule not guaranteed to be correct"

RULE_INVALID_SET(arg) ::=

"Cannot complement rule <arg>; not a simple set or element"

HETERO_ILLEGAL_IN_REWRITE_ALT(arg) ::=

"alts with rewrites can't use heterogeneous types left of ->"

NO_SUCH_GRAMMAR_SCOPE(arg,arg2) ::=

"reference to undefined grammar in rule reference: <arg>.<arg2>"

NO_SUCH_RULE_IN_SCOPE(arg,arg2)

::=

"rule <arg2> is not defined in grammar <arg>"

TOKEN_ALIAS_CONFLICT(arg,arg2) ::=

"cannot alias <arg>; string already assigned to <arg2>"

TOKEN_ALIAS_REASSIGNMENT(arg,arg2) ::=

"cannot alias <arg>; token name already assigned to <arg2>"

TOKEN_VOCAB_IN_DELEGATE(arg,arg2) ::=

"tokenVocab option ignored in imported grammar <arg>"

INVALID_IMPORT(arg,arg2) ::=

"<arg.grammarTypeString> grammar <arg.name> cannot import <arg2.grammarTypeString> grammar <arg2.name>"

IMPORTED_TOKENS_RULE_EMPTY(arg,arg2) ::=

"no lexer rules contributed to <arg> from imported grammar <arg2>"

IMPORT_NAME_CLASH(arg,arg2) ::=

```

"combined grammar <arg.name> and imported <arg2.grammarTypeString> grammar <arg2.name> both generate
<arg2.recognizerName>; import ignored"
AST_OP_IN_ALT_WITH_REWRITE(arg,arg2) ::=
"rule <arg> alt <arg2> uses rewrite syntax and also an AST operator"
WILDCARD_AS_ROOT(arg) ::= "Wildcard invalid as root; wildcard can itself be a tree"
CONFLICTING_OPTION_IN_TREE_FILTER(arg,arg2)
::= "option <arg>=<arg2> conflicts with tree grammar filter mode"
ILLEGAL_OPTION_VALUE(arg, arg2) ::= "value '<arg2>' invalid for option <arg>"
ALL_OPS_NEED_SAME_ASSOC(arg) ::= "all operators of alt <alt> of left-recursive rule must have same
associativity"
RANGE_OP_ILLEGAL(arg) ::= "the .. range operator isn't allowed in parser rules"

```

```
// GRAMMAR WARNINGS
```

```

GRAMMAR_NONDETERMINISM(input,conflictingAlts,paths,disabled,hasPredicateBlockedByAction) ::=
<<
<if(paths)>
Decision can match input such as "<input>" using multiple alternatives:
<paths:{ it | alt <it.alt> via NFA path <it.states; separator=","><\n}>
<else>
Decision can match input such as "<input>" using multiple alternatives: <conflictingAlts; separator=",">
<endif>
<if(disabled)><\n>As a result, alternative(s) <disabled; separator=","> were disabled for that
input<endif><if(hasPredicateBlockedByAction)><\n>Semantic predicates were present but were hidden by
actions.<endif>
>>

```

```

DANGLING_STATE(danglingAlts,input)
::= <<
the decision cannot distinguish between alternative(s) <danglingAlts; separator=","> for input such as "<input>"
>>

```

```

UNREACHABLE_ALTS(alts) ::= <<
The following alternatives can never be matched: <alts; separator=","><\n>
>>

```

```

INSUFFICIENT_PREDICATES(upon,altToLocations,hasPredicateBlockedByAction) ::= <<
Input such as "<upon>" is insufficiently covered with predicates at locations: <altToLocations.keys:{ alt|alt <alt>:
<altToLocations.(alt):{loc| line <loc.line>:<loc.column> at <loc.text>}; separator=",">; separator=","
"><if(hasPredicateBlockedByAction)><\n>Semantic predicates were present but were hidden by actions.<endif>
>>

```

```

DUPLICATE_SET_ENTRY(arg) ::=
"duplicate token type <arg> when collapsing subrule into set"

```

```

ANALYSIS_ABORTED(enclosingRule) ::= <<
ANTLR could not analyze this decision in rule <enclosingRule>; often this is because of recursive rule references
visible from the left edge of alternatives. ANTLR will re-analyze the

```

decision with a fixed lookahead of $k=1$. Consider using "options {k=1;}" for that decision and possibly adding a syntactic predicate.

>>

RECURSION_OVERFLOW(alt,input,targetRules,callSiteStates) ::= <<

Alternative <alt>: after matching input such as <input> decision cannot predict what comes next due to recursion overflow <targetRules,callSiteStates:{t,c|to <|> from <c:{s|<s.enclosingRule.name>};separator=", ">; separator=" and ">

>>

LEFT_RECURSION(targetRules,alt,callSiteStates) ::= <<

Alternative <alt> discovers infinite left-recursion <targetRules,callSiteStates:{t,c|to <|> from <c:{s|<s.enclosingRule>};separator=", ">; separator=" and ">

>>

UNREACHABLE_TOKENS(tokens) ::= <<

The following token definitions can never be matched because prior tokens match the same input: <tokens; separator=", ">

>>

TOKEN_NONDETERMINISM(input,conflictingTokens,paths,disabled,hasPredicateBlockedByAction) ::=

<<

<if(paths)>

Decision can match input such as "<input>" using multiple alternatives:

<paths:{ it | alt <it.alt> via NFA path <it.states; separator=", "><n>}>

<else>

Multiple token rules can match input such as "<input>": <conflictingTokens; separator=", "><n>

<endif>

<if(disabled)><n>As a result, token(s) <disabled; separator=", "> were disabled for that

input<endif><if(hasPredicateBlockedByAction)><n>Semantic predicates were present but were hidden by actions.<endif>

>>

LEFT_RECURSION_CYCLES(listOfCycles) ::= <<

The following sets of rules are mutually left-recursive <listOfCycles: {c| [<c: {r|<r.name>}; separator=", ">]; separator=" and ">

>>

NONREGULAR_DECISION(ruleName,alts) ::= <<

[fatal] rule <ruleName> has non-LL(*) decision due to recursive rule invocations reachable from alts <alts; separator=", ">. Resolve by left-factoring or using syntactic predicates or using backtrack=true option.

>>

/* 110n for message levels */

warning() ::= "warning"

error() ::= "error"

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/tool/templates/messages/languages/en.stg
```

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```

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```

```
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```
*/
```

```
group Delphi;
```

```
csharpTypeInitMap ::= [
```

```
"int": "0",
```

```
"uint": "0",
```

```
"long": "0",
```

```
"ulong": "0",
```

```
"float": "0.0",
```

```
"double": "0.0",
```

```
"bool": "False",
```

```
"byte": "0",
```

```
"sbyte": "0",
```

```
"short": "0",
```

```
"ushort": "0",
```

```

"char": "#0",
"string": "",
"String": "",
default: "nil" // anything other than an atomic type
]

/** The
overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
* LEXER (Boolean): should we generate lexer code?
* PARSER (Boolean): should we generate parser code?
* TREE_PARSER (Boolean): should we generate tree parser code?
* actionScope (String): 'lexer', 'parser', 'tree_parser' or custom scope
* actions (HashMap):
* docComment (String): document comment
* recognizer (Object): recognizer class generator
* name (String): name of grammar
* tokens (HashMap<name: String, type: Integer>):
* tokenNames:
* rules:
* cyclicDFAs:
* bitsets:
* buildTemplate (Boolean): should we generate a string template?
* buildAST (Boolean): should we generate an AST?
* rewriteMode (Boolean): are we rewriting nodes?
* profile (Boolean):
* backtracking (Boolean): backtracking mode?
* synpreds (): syntactic predicates
* memoize (Boolean): should we memoize?
* numRules (Integer): number of rules
* fileName
(String): fully qualified name of original .g file
* ANTLRVersion (String): ANTLR version in Major.Minor.Build format
* generatedTimestamp (String): date/time when the file is generated
* trace (Boolean): should we trace input/output?
* scopes:
* superClass (String): name of base class, or empty string
* literals:
*/
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
docComment, recognizer,
name, tokens, tokenNames, rules, cyclicDFAs,
bitsets, buildTemplate, buildAST, rewriteMode, profile,
backtracking, synpreds, memoize, numRules,
fileName, ANTLRVersion, generatedTimestamp, trace,
scopes, superClass, literals) ::=
<<
unit <name>;

```

```

{$HINTS OFF}

// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<actions.(actionScope).header>

interface

<@imports>
uses<\n>
<@end>
<actions.(actionScope).usesInterface>
<if(TREE_PARSER)>
  Antlr.Runtime.Tree,<\n>
<endif>
  Antlr.Runtime,
  Antlr.Runtime.Collections,
  Antlr.Runtime.Tools;

<docComment>
<recognizer>
>>

/** Generates source code for the lexer class
 * grammar (Grammar object)
 */
lexer(grammar, name, tokens, scopes, rules, numRules, labelType="Token",
  filterMode, superClass="Lexer") ::= <<
type
I<grammar.recognizerName> = interface(I<@superClassName><superClass><@end>)
end;

T<grammar.recognizerName> = class(T<@superClassName><superClass><@end>,
I<grammar.recognizerName>)
strict private
  FCnt: array [0..<grammar.numberOfDecisions>] of Byte;
  FLA: array [0..<grammar.numberOfDecisions>, 0..255] of Integer;
  FException: ERecognitionException;
  procedure InitializeCyclicDFAs;
<cyclicDFAs:cyclicDFADeclaration()>
public
  const
    <tokens:{<it.name> = <it.type>;} separator="\n">
    <scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
strict private
  <actions.(actionScope).memberDeclarations>
public

```



```

// delegates
<grammar.delegates: {g|<g:delegateName(): I<superClass>; {<g.recognizerName>}}; separator="\n">
public
// delegators
<grammar.delegators: {g|<g:delegateName(): Pointer; {<g.recognizerName>}}; separator="\n">
<last(grammar.delegators):{g|gParent: Pointer; {<g.recognizerName>}}>
protected
{ IBaseRecognizer }
function GetGrammarFileName: String; override;
<if(filterMode)>
function AlreadyParsedRule(const Input: IIntStream;
    const RuleIndex: Integer): Boolean; override;
procedure Memoize(const Input: IIntStream; const RuleIndex,
    RuleStartIndex: Integer); override;
protected
{ ILexer }
function NextToken: IToken; override;<\n>
<endif>
protected
{ ILexer }
procedure DoTokens; override;
public
constructor Create; overload;
constructor Create(const AInput: ICharStream<grammar.delegators:{g}; const A<g:delegateName():
IBaseRecognizer{<g.recognizerName>}}>); overload;
constructor Create(const
AInput: ICharStream; const AState: IRecognizerSharedState<grammar.delegators:{g}; const A<g:delegateName():
IBaseRecognizer{<g.recognizerName>}}>); overload;

<rules: {r | <if(!r.ruleDescriptor.isSynPred)><lexerRuleDeclaration(r)><endif>}>
<synpreds:{p | <lexerSynpredDeclaration(p)>}; separator="\n">
end;

```

implementation

uses

```

<grammar.delegates: {g|<g.recognizerName>; separator="\n">
<grammar.delegators: {g|<g.recognizerName>; separator="\n">
<actions.(actionScope).usesImplementation>
SysUtils,
StrUtils,
Math;

```

```
{ T<grammar.recognizerName> }
```

```
constructor T<grammar.recognizerName>.Create;
```

```
begin
```

```
InitializeCyclicDFAs;
```

```

end;

constructor T<grammar.recognizerName>.Create(const AInput: ICharStream<grammar.delegators:{g}; const
A<g:delegateName():>: IBaseRecognizer{<g.recognizerName>}>);
begin
  Create(AInput, nil<grammar.delegators:{g}, A<g:delegateName()>>);
end;

constructor T<grammar.recognizerName>.Create(const AInput: ICharStream;
const AState: IRecognizerSharedState<grammar.delegators:{g}; const A<g:delegateName():>:
IBaseRecognizer{<g.recognizerName>}>);
begin
  inherited Create(AInput, AState);
  InitializeCyclicDFAs; { TODO: Necessary in Delphi??? Not removed yet. }
  <if(memoize)>
  <if(grammar.grammarIsRoot)>
    State.RuleMemoCount := <numRules>+1;<\n><! index from 1..n !>
  <endif>
  <endif>
  <grammar.directDelegates:
    {g|<g:delegateName()> := T<g.recognizerName>.Create(AInput, State<trunc(g.delegators):{p|,
<p:delegateName()>>, Self);}; separator="\n">
  <grammar.delegators:
    {g|<g:delegateName()> := Pointer(A<g:delegateName()>);}; separator="\n">
  <last(grammar.delegators):{g|gParent := Pointer(A<g:delegateName()>);}>
  <actions.(actionScope).memberInitializations>
end;
<actions.(actionScope).memberImplementations>
function T<grammar.recognizerName>.GetGrammarFileName: String;
begin
  Result := '<fileName>';
end;

<if(filterMode)>
<filteringNextToken()>
<endif>

<rules;
separator="\n\n">
<synpreds:{p | <lexerSynpred(p)>}>

procedure T<grammar.recognizerName>.InitializeCyclicDFAs;
begin
  <cyclicDFAs:{ dfa | FDFA<dfa.decisionNumber> :=
TDFA<dfa.decisionNumber>.Create(Self<@debugAddition()>);}; separator="\n">
  <cyclicDFAs:{ dfa | <if(dfa.specialStateSTs)>FDFA<dfa.decisionNumber>.SpecialStateTransitionHandler :=
DFA<dfa.decisionNumber>_SpecialStateTransition;<endif>}; separator="\n">
end;

```

```

<cyclicDFAs:cyclicDFA(>> <! dump tables for all DFA !>
end.>>

lexerRuleDeclaration(rule) ::= <<
procedure m<rule.ruleName>(<rule.ruleDescriptor.parameterScope:parameterScope(scope=rule)>);<\n>
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 *
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken()
 ::= <<
function T<grammar.recognizerName>.NextToken: IToken;
var
M: Integer;
begin
while (True) do
begin
if (Input.LA(1) = Integer(cscEOF)) then
Exit(TToken.EOF_TOKEN);

State.Token := nil;
State.Channel := TToken.DEFAULT_CHANNEL;
State.TokenStartCharIndex := Input.Index;
State.TokenStartCharPositionInLine := Input.CharPositionInLine;
State.TokenStartLine := Input.Line;
State.Text := "";
try
M := Input.Mark();
State.Backtracking := 1; <! means we won't throw slow exception !>
State.Failed := False;
mTokens();
State.Backtracking := 0;
<!
mTokens backtracks with synpred at backtracking==2
and we set the synpredgate to allow actions at level 1.
!>
if (State.Failed) then
begin
Input.Rewind(M);
Input.Consume; <! // advance one char and try again !>
end
else

```

```

begin
  Emit;
  Exit(State.Token);
end;
except
  on RE: ERecognitionException do
begin
  // shouldn't happen in backtracking mode, but...
  ReportError(RE);
  Recover(RE);
end;
end;
end;
end;

function T<grammar.recognizerName>.AlreadyParsedRule(const Input: IIntStream;
const RuleIndex: Integer): Boolean;
begin
if (State.Backtracking > 1) then
  Result := inherited AlreadyParsedRule(Input, RuleIndex)
else
  Result := False;
end;
end;

procedure T<grammar.recognizerName>.Memoize(const Input: IIntStream; const RuleIndex,
RuleStartIndex: Integer);
begin
if (State.Backtracking > 1) then
  inherited Memoize(Input, RuleIndex, RuleStartIndex);
end;
end;

>>

filteringActionGate() ::= "(State.Backtracking = 1)"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
  bitsets, inputStreamType, superClass, filterMode,
  ASTLabelType="ANTLRInterface", labelType, members, rewriteElementType)
::= <<
type
  <rules: {r | <genericParserRuleReturnType(rule=r, ruleDescriptor=r.ruleDescriptor)>>>
  I<grammar.recognizerName> = interface(I<@superClassName><superClass><@end>)
  <rules: {r | <genericParserRuleInterface(rule=r, ruleDescriptor=r.ruleDescriptor)>>>
end;

T<grammar.recognizerName> = class(T<@superClassName><superClass><@end>,
I<grammar.recognizerName>)

```

```

<if(grammar.grammarIsRoot)>
public
  const
    TOKEN_NAMES: array [0..<length(tokenNames)>+3] of String = (
      '\<invalid>',
      '\<EOR>',
      '\<DOWN>',
      '\<UP>',
      <tokenNames; separator=",\n">);<\n>
<endif>
public
  const
    <tokens:{<it.name> = <it.type>;}; separator="\n">
public
  // delegates
  <grammar.delegates: {g|<g.delegateName(): I<superClass>; {<g.recognizerName>}}; separator="\n">
public
  // delegators
  <grammar.delegators: {g|<g.delegateName(): Pointer; {<g.recognizerName>}}; separator="\n">
  <last(grammar.delegators):{g|gParent:
Pointer; {<g.recognizerName>}}>

  <scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScopeDeclaration(scope=it)><endif>}>
<@members>
  <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
public
  constructor Create(const AInput: <inputStreamType><grammar.delegators:{g}; const A<g.delegateName():
IBaseRecognizer{<g.recognizerName>}}>); overload;
  constructor Create(const AInput: <inputStreamType>; const AState:
IRecognizerSharedState<grammar.delegators:{g}; const A<g.delegateName():
IBaseRecognizer{<g.recognizerName>}}>); overload;
<@end>
protected
  { IBaseRecognizer }
  function GetTokenNames: TStringArray; override;
  function GetGrammarFileName: String; override;
strict private
  <actions.(actionScope).memberDeclarations>
  <rules: {r | <genericParserRuleDeclaration(rule=r, ruleDescriptor=r.ruleDescriptor)>}>

<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer.
!>
  // Delegated rules
  <grammar.delegatedRules:{ruleDescriptor| <delegatedRuleDeclaration(ruleDescriptor)>}>

  <synpreds:{p | <synpredDeclaration(p)>}>; separator="\n">
  <cyclicDFAs:cyclicDFADeclaration()>

```

```

strict private
  FException: ERecognitionException;
  FLA: array [0..<grammar.numberOfDecisions>, 0..255] of Integer;
  FCnt: array [0..<grammar.numberOfDecisions>] of Byte;
  procedure InitializeCyclicDFAs;
<if(bitsets)>
public
  class var
    <bitsets:bitsetDecl(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>})>
public
  class procedure InitializeBitsets; static;<\n>
<endif>
end;

```

implementation

uses

```

<grammar.delegates: {g|<g.recognizerName>,}; separator="\n">
<grammar.delegates: {g|<g.recognizerName>,}; separator="\n">
<actions.(actionScope).usesImplementation>
SysUtils,
StrUtils,
Math;

```

```
{ T<grammar.recognizerName> }
```

```

constructor T<grammar.recognizerName>.Create(const AInput: <inputStreamType><grammar.delegates:{g|;
const A<g.delegateName():>: IBaseRecognizer{<g.recognizerName>}}>);
begin
  Create(AInput, TRecognizerSharedState.Create<grammar.delegates:{g|, A<g.delegateName()>}>);
end;

```

```

constructor T<grammar.recognizerName>.Create(const AInput: <inputStreamType>;
const AState: IRecognizerSharedState<grammar.delegates:{g|; const A<g.delegateName()>:
IBaseRecognizer{<g.recognizerName>}}>);
begin
  inherited Create(AInput, AState);
  <@membersConstructor>
  <@end>
  <parserCtorBody()>
  <grammar.directDelegates:{g|<g.delegateName()> := T<g.recognizerName>.Create(Input,
State<trunc(g.delegates):{p|, <p.delegateName()>}>, Self);}; separator="\n">
  <grammar.indirectDelegates:{g | <g.delegateName()> := <g.delegateName()>.<g.delegateName()>};
separator="\n">
  <last(grammar.delegates):{g|gParent := Pointer(A<g.delegateName()>)}>
  <rules: {r | <ruleAttributeScopeInit(scope=r.ruleDescriptor.ruleScope)>}>
  <scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>

```

```

    <actions.(actionScope).memberInitializations>
end;
<actions.(actionScope).memberImplementations>

<grammar.delegatedRules:{ruleDescriptor| <delegatedRuleImplementation(ruleDescriptor)>}; separator="\n">
procedure T<grammar.recognizerName>.InitializeCyclicDFAs;
begin
    <cyclicDFAs:{ dfa | FDFA<dfa.decisionNumber> := TDFA<dfa.decisionNumber>.Create(Self);}; separator="\n">
    <cyclicDFAs:{ dfa | <if(dfa.specialStateSTs)>FDFA<dfa.decisionNumber>.SpecialStateTransitionHandler :=
DFA<dfa.decisionNumber>_SpecialStateTransition;<endif>}; separator="\n">
end;

<if(bitsets)>
class procedure T<grammar.recognizerName>.InitializeBitsets;
begin
    <bitsets:bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>
end;
<endif>

<@membersImplementation>
<@end>

function T<grammar.recognizerName>.GetTokenNames: TStringArray;
var
    I: Integer;
begin
    SetLength(Result,Length(T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES));
    for I := 0 to Length(T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES) - 1 do
        Result[I] := T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES[I];
    end;

function T<grammar.recognizerName>.GetGrammarFileName: String;
begin
    Result := '<fileName>';
end;

<rules; separator="\n\n">
<synpreds:{p | <synpred(p)>}>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
<if(bitsets)>
initialization
    T<grammar.recognizerName>.InitializeBitsets;<\n>
<endif>
end.>>

delegatedRuleDeclaration(ruleDescriptor) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>

```



```

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType, superClass="Parser",
labelType="Token", members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ITokenStream", rewriteElementType="Token", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules, numRules, bitsets,
labelType={<ASTLabelType>}, ASTLabelType="object", superClass="TreeParser",
members={<actions.treeparser.members>}, filterMode) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start "<ruleName>"
procedure
T<grammar.recognizerName>.<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(scope=it)>)
;
var
Alt: array [0..<grammar.numberOfDecisions>] of Integer;
<ruleLabelDefVars()>
begin
<ruleLabelDefs()>
<if(trace)>
TraceIn('<ruleName>_fragment', <ruleDescriptor.index>);
try
<block>
finally
TraceOut('<ruleName>_fragment', <ruleDescriptor.index>);
end;
<else>
<block>
<endif>
end;
// $ANTLR end "<ruleName>"
>>

synpredDecls(name) ::= <<
SynPredPointer <name>;<\n>

```

>>

```
synpred(name) ::= <<
```

```
function T<grammar.recognizerName>.<name>: Boolean;
```

```
var
```

```
  Start: Integer;
```

```
  Success: Boolean;
```

```
begin
```

```
  State.Backtracking := State.Backtracking + 1;
```

```
  <@start(>
```

```
  Start := Input.Mark;
```

```
  try
```

```
    <name>_fragment(); // can never throw exception
```

```
  except
```

```
    on RE: ERecognitionException do
```

```
      WriteLn('Impossible: ' + RE.ToString);
```

```
  end;
```

```
  Success := not State.Failed;
```

```
  Input.Rewind(Start);
```

```
  <@stop(>
```

```
  State.Backtracking := State.Backtracking - 1;
```

```
  State.Failed := False;
```

```
  Result := Success;
```

```
end;<\n>
```

>>

```
lexerSynpred(name) ::= <<
```

```
<synpred(name)>
```

>>

```
lexerSynpredDeclaration(name) ::= <<
```

```
function <name>: Boolean;
```

```
procedure <name>_fragment;
```

>>

```
synpredDeclaration(name) ::= <<
```

```
function <name>: Boolean;
```

```
procedure <name>_fragment;
```

>>

```
ruleMemoization(name) ::= <<
```

```
<if(memoize)>
```

```
if ((State.Backtracking > 0) and AlreadyParsedRule(Input, <ruleDescriptor.index>)) then
```

```
  Exit(<ruleReturnValue(>);
```

```
<endif>
```

>>

```

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)><\n>if (State.Failed)
  then Exit(<ruleReturnValue(>);<\n><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (State.Backtracking > 0) then
begin
  State.Failed := True;
  Exit(<ruleReturnValue(>);
end;<endif>
>>

genericParserRuleDeclaration(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.isSynPred)>
<else>
<ruleAttributeScopeDeclaration(scope=ruleDescriptor.ruleScope)>
<returnScopeDeclaration(scope=ruleDescriptor.returnScope)>
public
<if(ruleDescriptor.hasMultipleReturnValues)>
  function <rule.ruleName>: I<returnType(>);<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
  function <rule.ruleName>: <returnType(>);<\n>
<else>
  procedure <rule.ruleName>;<\n>
<endif>
<endif>
<endif>
>>

genericParserRuleInterface(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.isSynPred)>
<else>
<if(ruleDescriptor.hasMultipleReturnValues)>
function <rule.ruleName>: I<returnType(>);<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
function
  <rule.ruleName>: <returnType(>);<\n>
<else>
  procedure <rule.ruleName>;<\n>
<endif>
<endif>
<endif>
>>

```

```

genericParserRuleReturnType(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(ruleDescriptor.isSynPred)>
<else>
I<returnType()> = interface(I<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope)
end;<\n>
<endif>
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

// $ANTLR start "<ruleName>"
(* <fileName>:<description> *)
<if(ruleDescriptor.hasMultipleReturnValues)>
function T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
I<returnType()>;
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
function
T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
<returnType()>;
<else>
procedure
T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>);
<endif>
<endif>

var
<ruleDescriptor.actions.vars>
Locals: TLocalStorage;
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal: I<returnType()>;<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
RetVal: <returnType()>;<\n>
<else>
<endif>
<endif>
Alt: array [0..<grammar.numberOfDecisions>] of Integer;
<ruleDeclarationVars()>
<ruleLabelDefVars()>

```

```

begin
Locals.Initialize;
try
  <if(trace)>TraceIn('<ruleName>', <ruleDescriptor.index>);<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  <ruleLabelDefs()>
  <ruleDescriptor.actions.init>
  <@preamble()>
  try
    try
      <ruleMemoization(name=ruleName)>
      <block>
      <ruleCleanUp()>

      <(ruleDescriptor.actions.after):execAction()>
    <if(exceptions)>
      <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n}>}>
    <else>
    <if(!emptyRule)>
    <if(actions.(actionScope).rulecatch)>
      <actions.(actionScope).rulecatch>
    <else>
      except
        on RE: ERecognitionException do
          begin
            ReportError(RE);
            Recover(Input,RE);
            <@setErrorReturnValue()>
          end;<\n>
        <endif>
      <endif>
    <endif>
    end;
  finally
    <if(trace)>TraceOut("<ruleName>", <ruleDescriptor.index>);<endif>
    <memoize()>
    <ruleScopeCleanUp()>
    <finally>
  end;
  <@postamble()>
finally
  Locals.Finalize;
end;
Exit(<ruleReturnValue()>);
end;
// $ANTLR end "<ruleName>"
>>

```

```

catch(decl,action) ::= <<
catch (<e.decl>)
{
  <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal := T<returnType()>.Create;
RetVal.Start := Input.LT(1);<\n>
<else>
<ruleDescriptor.returnScope.attributes: {
  a |
  <a.name> := <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_StartIndex := Input.Index();
<endif>
>>

ruleDeclarationVars() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<else>
<ruleDescriptor.returnScope.attributes: { a |
  <a.name>: <a.type>;
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_StartIndex: Integer;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {<it>Stack.Push(T<it>Scope.Create);}; separator="\n">
<ruleDescriptor.ruleScope: {<it.name>Stack.Push(T<it.name>Scope.Create);}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: {<it>Stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope: {<it.name>Stack.Pop();}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]:{<it.label.text> := nil;}; separator="\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]:{list_<it.label.text>

```

```

:= nil;}; separator="\n">
<ruleDescriptor.ruleLabels:ruleLabelDef(label=it); separator="\n">
<ruleDescriptor.ruleListLabels:{ll<ll.label.text> := nil;}; separator="\n">
>>

ruleLabelDefVars() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]:{<it.label.text>: I<labelType>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]:{list_<it.label.text>: IList<IANTLRInterface>;};
separator="\n">
<ruleDescriptor.ruleLabels:ruleLabelDefVar(label=it); separator="\n">
<ruleDescriptor.ruleListLabels:{ll<ll.label.text>: <ruleLabelType(referencedRule=ll.referencedRule)>;};
separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {<it.label.text> := nil;}; separator="\n"
>
<ruleDescriptor.charLabels:{int <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {List_<it.label.text> := nil;}; separator="\n"
>
>>

lexerRuleLabelDefDeclarations() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {<it.label.text>: I<labelType>;}; separator="\n"
>
<ruleDescriptor.charLabels:{int <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {List_<it.label.text>: IList;}; separator="\n"
>
>>

ruleReturnValue() ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>

```

```

RetVal
<endif>
<else>
<! nil !>
<endif>
<endif>
>>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
RetVal.Stop := Input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (State.Backtracking > 0) then
Memoize(Input, <ruleDescriptor.index>,
<ruleDescriptor.name>_StartIndex);
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start "<ruleName>"
<ruleDescriptor.parameterScope>
procedure
T<grammar.recognizerName>.m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>);
var
<ruleDescriptor.actions.vars>
Locals: TLocalStorage;
TokenType, Channel: Integer;
Alt: array [0..<grammar.numberofDecisions>] of Integer;
<lexerRuleLabelDefDeclarations()>
begin
Locals.Initialize;
try
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<if(trace)>TraceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
try

```



```

<if(nakedBlock)>
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs(>
  <ruleDescriptor.actions.init>
  <block><\n>
<else>
  TokenType :=
<ruleName>;
  Channel := DEFAULT_TOKEN_CHANNEL;
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs(>
  <ruleDescriptor.actions.init>
  <block>
  <ruleCleanUp(>
  State.TokenType := TokenType;
  State.Channel := Channel;
  <(ruleDescriptor.actions.after):execAction(>
<endif>
  finally
  <if(trace)>TraceOut("<ruleName>", <ruleDescriptor.index>);<endif>
  <ruleScopeCleanUp(>
  <memoize(>
  end;
  finally
  Locals.Finalize;
  end;
  end;
  // $ANTLR end "<ruleName>"
  >>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
procedure T<grammar.recognizerName>.mTokens;
var
  Alt: array [0..<grammar.numberOfDecisions>] of Integer;
begin
  <block>
end;

procedure T<grammar.recognizerName>.DoTokens;
begin
  mTokens;
end;
>>

// S U B R U L E S

```

```

/** A (...) subrule with multiple
alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
Alt[<decisionNumber>] := <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
case Alt[<decisionNumber>] of
<alts:altSwitchCase()>
end;
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
Alt[<decisionNumber>] := <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
case Alt[<decisionNumber>] of
<alts:altSwitchCase()>
end;
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
(* <fileName>:<description> *)
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description)
::= <<
(* <fileName>:<description> *)
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

```

```

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
FCnt[<decisionNumber>] := 0;
<decls>
<@preloop()>
while (True) do
begin
Alt[<decisionNumber>] := <maxAlt>;
<@predecision()>
<decision>
<@postdecision()>
case Alt[<decisionNumber>] of
<alts:altSwitchCase()>
else
begin
if (FCnt[<decisionNumber>] >= 1) then
Break;
<ruleBacktrackFailure()>
raise EEarlyExitException.Create(<decisionNumber>, Input);
<@earlyExitException()>
end;
end;
Inc(FCnt[<decisionNumber>]);
end;
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
<decls>
<@preloop()>
while (True) do
begin
Alt[<decisionNumber>] := <maxAlt>;
<@predecision()>
<decision>
<@postdecision()>
case Alt[<decisionNumber>] of
<alts:altSwitchCase()>
else
Break;
end;
end;

```

```

end;
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase() ::= <<
<i>:
<@prealt()>
<it><\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew)
::= <<
(* <fileName>:<description> *)
begin
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
end;
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element() ::= <<
<@prematch()>
<it.el>
>>

```

```

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label> := <endif>Match(Input, <token>,
FOLLOW_<token>_in_<ruleName><elementIndex>)<if(label)> as
I<labelType><endif>;<\n><checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem) ::= <<
if (list_<label> = nil) then list_<label> := TList<IANTLRInterface>.Create;
list_<label>.Add(<elem>);<\n>
>>

/** match a character */
charRef(char,label)
::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
MatchRange(<a>, <b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label> := Input.LA(1);<\n>
<else>
<label> := Input.LT(1) as I<labelType>;<\n>
<endif>
<endif>
<endif>
if (<s>) then
begin
Input.Consume;
<postmatchCode>

```

```

<if(!LEXER)>
State.ErrorRecovery := False;<endif>
<if(backtracking)>State.Failed := False;<endif>
end
else
begin
<ruleBacktrackFailure()>
FException := EMismatchedException.Create(nil, Input);
<@mismatchedException()>
<if(LEXER)>
Recover(FException);
raise FException;<\n>
<else>
raise FException;
<! use following code to make it recover inline;
remove throw mse;
RecoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
end;<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
Locals.AsInteger['<label>Start'] := CharIndex;
Match(<string>); <checkRuleBacktrackFailure()>
<label> := TCommonToken.Create(Input, TToken.INVALID_TOKEN_TYPE, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start'], CharIndex-1);
<else>
Match(<string>); <checkRuleBacktrackFailure()>
<endif>
>>

wildcard(label,elementIndex) ::= <<
<if(label)>
<label> := Input.LT(1) as I<labelType>;<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(label,elementIndex) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex)
::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)>
<label> := <if(scope)><scope:delegateName()>.<endif><rule.name><args; separator=", ">;<\n>
<else>
<if(scope)>T<scope.recognizerName>(IANTLRObject(<scope:delegateName()>).Implementor).<endif><rule.name>
><args; separator=", ">;<\n>
<endif>
State.FollowingStackPointer := State.FollowingStackPointer - 1;
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope)
::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.

```

```

* Now though you can access full rule descriptor stuff.
*/
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
Locals.AsInteger['<label>Start<elementIndex>'] := CharIndex;
<if(scope)><scope.delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<label> := TCommonToken.Create(Input, TToken.INVALID_TOKEN_TYPE, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start<elementIndex>'], CharIndex - 1);
<else>
<if(scope)><scope.delegateName().Implementor as T<scope.recognizerName>.<endif>m<rule.name>(<args;
separator=", ">); <checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/**
EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
Locals.AsInteger['<label>Start<elementIndex>'] := CharIndex;
Match(EOF); <checkRuleBacktrackFailure()>
Locals['<label>'] := TCommonToken.Create(Input, EOF, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start<elementIndex>'], CharIndex-1);
<else>
Match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (Input.LA(1) = TToken.DOWN) then
begin
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input, TToken.UP, nil); <checkRuleBacktrackFailure()>
end;
<else>
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>

```



```

<children:element()>
Match(Input, TToken.UP, nil);<\n><checkRuleBacktrackFailure()>
<endif>
>>

/**
 Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (not (<evalPredicate(...)>)) then
begin
  <ruleBacktrackFailure()>
  raise EFailedPredicateException.Create(Input, '<ruleName>', '<description>');
end;<\n>
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);<\n>
<edges; separator="\nelse ">
else
begin
<if(eotPredictsAlt)>
  Alt[<decisionNumber>] := <eotPredictsAlt>;<\n>
<else>
  <ruleBacktrackFailure()>
  raise ENoViableAltException.Create('<description>', <decisionNumber>, <stateNumber>, Input);<\n>
<endif>
end;
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more
 what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);<\n>
<edges; separator="\nelse ">;
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule

```

```

* anything other than 'a' predicts exiting.
*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
Alt[<decisionNumber>] := <eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else
begin
  Alt[<decisionNumber>] := <eotPredictsAlt>;
end;<\n>
<endif>
<endif>
>>

/**
  An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "Alt[<decisionNumber>] := <alt>;"

/** A simple edge with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr>)<if(predicates)> and (<predicates>)<endif>) then
begin
  <targetState>
end <! no ; here !>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
  <edges; separator="\n">
else
begin
  <if(eotPredictsAlt)>
    Alt[<decisionNumber>] := <eotPredictsAlt>;
  <else>
    <ruleBacktrackFailure()>
    <@noViableAltException()>
    raise
  </if>
end
>>

```

```

    ENoViableAltException.Create('<description>', <decisionNumber>, <stateNumber>, Input);<\n>
<endif>
end;
end;<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
    <edges; separator="\n">
end;<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
    <edges; separator="\n"><\n>
<if(eotPredictsAlt)>
else
    Alt[<decisionNumber>] := <eotPredictsAlt>;<\n>
<endif>
end;<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {<it>}; separator=",\n">:
begin
    <targetState>
end;
>>

// C y c l i c   D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
Alt[<decisionNumber>] := FDFA<decisionNumber>.Predict(Input);
>>

/*
Dump DFA tables.
*/
cyclicDFADeclaration(dfa) ::= <<
strict protected
type
    TDFA<dfa.decisionNumber> = class(TDFA)
protected
    { IDFA }

```

```

    function Description: String; override;
public
    constructor Create(const ARecognizer: IBaseRecognizer);
end;
var
    FDFA<dfa.decisionNumber>: IDFA;
<if(dfa.specialStateSTs)>
strict protected
    function DFA<dfa.decisionNumber>_SpecialStateTransition(const DFA: IDFA; S: Integer;
        const AInput: IIntStream): Integer;<endif>
>>

cyclicDFA(dfa) ::= <<
{ T<grammar.recognizerName>.TDFA<dfa.decisionNumber> }

constructor T<grammar.recognizerName>.TDFA<dfa.decisionNumber>.Create(const ARecognizer:
IBaseRecognizer);
const
    DFA<dfa.decisionNumber>_EOT = '<dfa.javaCompressedEOT; wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_EOF = '<dfa.javaCompressedEOF; wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_MIN = '<dfa.javaCompressedMin; wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_MAX = '<dfa.javaCompressedMax;
wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_ACCEPT = '<dfa.javaCompressedAccept; wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_SPECIAL = '<dfa.javaCompressedSpecial; wrap="'+\n  "'>';
    DFA<dfa.decisionNumber>_TRANSITION: array [0..<length(dfa.javaCompressedTransition)>-1] of String = (
        <dfa.javaCompressedTransition:{s|<s; wrap="'+\n"'>'}; separator=",\n">);
begin
    inherited Create;
    Recognizer := ARecognizer;
    DecisionNumber := <dfa.decisionNumber>;
    EOT := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_EOT);
    EOF := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_EOF);
    Min := TDFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_MIN);
    Max := TDFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_MAX);
    Accept := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_ACCEPT);
    Special := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_SPECIAL);
    Transition := TDFA.UnpackEncodedStringArray(DFA<dfa.decisionNumber>_TRANSITION);
end;

function
    T<grammar.recognizerName>.TDFA<dfa.decisionNumber>.Description: String;
begin
    Result := '<dfa.description>';
end;<\n>
<if(dfa.specialStateSTs)>
function T<grammar.recognizerName>.DFA<dfa.decisionNumber>_SpecialStateTransition(const DFA: IDFA; S:
Integer;

```

```

const AInput: IIntStream): Integer;
var
  Locals: TLocalStorage;
<if(LEXER)>
  Input: IIntStream;
<endif>
<if(PARSER)>
  Input: ITokenStream;
<endif>
<if(TREE_PARSER)>
  Input: ITreeNodeStream;
<endif>
  _S: Integer;
  NVAE: ENoViableAltException;
begin
  Result := -1;
  Locals.Initialize;
  try
    <if(LEXER)>
      Input := AInput;
    <endif>
    <if(PARSER)>
      Input := AInput as ITokenStream;
    <endif>
    <if(TREE_PARSER)>
      Input := AInput as ITreeNodeStream;
    <endif>
    _S := S;
    case S of
      <dfa.specialStateSTs:{state | <i0>: begin<! compressed special state numbers 0..n-1 !>
      <state> <\n> end;}; separator="\n">
      end;
    <if(backtracking)>
      if (State.Backtracking > 0) then
        begin
          State.Failed := True;
          Exit(-1);
        end;<\n>
    <endif>
    NVAE := ENoViableAltException.Create(DFA.Description, <dfa.decisionNumber>, _S, Input);
    DFA.Error(NVAE);
    raise NVAE;
  finally
    Locals.Finalize;
  end;
end;<\n>
<endif>
>>

```

```

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
Locals.AsInteger['index<decisionNumber>_<stateNumber>'] := Input.Index;
Input.Rewind;<\n>
<endif>
S := -1;
<edges; separator="\nelse ">;
<if(semPredState)> <! return input cursor to state before we rewound !>
Input.Seek(Locals.AsInteger['index<decisionNumber>_<stateNumber>']);<\n>
<endif>
if (S >= 0) then
  Exit(S);
>>

```

```

/** Just like a fixed
  DFA edge, test the lookahead and indicate what
  * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr>)<if(predicates)> and (<predicates>)<endif>) then
  S := <targetStateNumber>
>>

```

```

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
S := <targetStateNumber>;<\n>
>>

```

// D F A E X P R E S S I O N S

```
andPredicates(left,right) ::= "((<left>) and (<right>))"
```

```
orPredicates(operands) ::= "(<operands:{o|(<o>)}; separator=\" or \")"
```

```
notPredicate(pred) ::= "!(<evalPredicate(...)>)"
```

```
evalPredicate(pred,description) ::= "(<pred>)"
```

```
evalSynPredicate(pred,description) ::= "<pred>()"
```

```

lookaheadTest(atom,k,atomAsInt) ::= "FLA[<decisionNumber>,<stateNumber>] = <atomAsInt>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask
 * for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "Input.LA(<k>) = <atomAsInt>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
((FLA[<decisionNumber>,<stateNumber>] \>= <lowerAsInt>) and (FLA[<decisionNumber>,<stateNumber>] \<=
<upperAsInt>))
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(Input.LA(<k>) \>=
<lowerAsInt>) and (Input.LA(<k>) \<= <upperAsInt>)"

setTest(ranges) ::= "<ranges; separator=\\\" or (\\\">"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<scope.name>Stack := TStackList\<I<scope.name>Scope\>.Create;<\n>
<endif>
>>

globalAttributeScopeDeclaration(scope) ::= <<
<if(scope.attributes)>
strict protected
type
I<scope.name>Scope = interface(IANTLRObject)
end;
T<scope.name>Scope = class(TANTLRObject, I<scope.name>Scope)
protected
<scope.attributes:{<it.name>: <it.type>;}; separator="\\n">
end;
strict protected
<scope.name>Stack: IStackList\<I<scope.name>Scope\>;
<endif>
>>

ruleAttributeScopeDeclaration(scope) ::= <<
<if(scope.attributes)>
strict protected
type
I<scope.name>Scope = interface(IANTLRObject)
end;
T<scope.name>Scope = class(TANTLRObject, I<scope.name>Scope)
protected

```

```

    <scope.attributes:{<it.name>: <it.type>;}; separator="\n">
    end;
strict protected
    <scope.name>Stack: IStackList\<I<scope.name>Scope\>;
<endif>
>>

ruleAttributeScope(scope) ::= <<
<! protected Stack <scope.name>Stack = new Stack();<\n !>
>>

ruleAttributeScopeInit(scope) ::= <<
<if(scope)>
<scope.name>Stack := TStackList\<I<scope.name>Scope\>.Create;<\n>
<endif>
>>

returnStructName() ::= "<it.name>_return"

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor:returnStructName()>
<! I<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope !>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
<!
    Pointer/void !>
<endif>
<endif>
>>

/** Generate the C# type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
I<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

```



```

delegateName() ::= <<
<if(it.label)><it.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<csharpTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> := <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

ruleLabelDefVar(label) ::= <<
<label.label.text>: <ruleLabelType(referencedRule=label.referencedRule)>;
>>

/** Define a return struct for a rule
 if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
{ T<ruleDescriptor:returnStructName()> }

<scope.attributes:{public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
<endif>
>>

returnScopeDeclaration(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public
type
T<ruleDescriptor:returnStructName()> =
class(T<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope, I<ruleDescriptor:returnStructName()>)
<scope.attributes:{public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
end;
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{<it.decl>;}; separator=", ">

```

>>

```
parameterAttributeRef(attr) ::= "<attr.name>"  
parameterSetAttributeRef(attr,expr) ::= "<attr.name> := <expr>;"
```

```
scopeAttributeRef(scope,attr,index,negIndex) ::= <<  
<if(negIndex)>  
(<scope>Stack[<scope>Stack.Count-<negIndex>-1]  
 as T<scope>Scope).<attr.name>  
<else>  
<if(index)>  
(<scope>Stack[<index>] as T<scope>Scope).<attr.name>  
((<scope>_scope)<scope>_stack[<index>]).<attr.name>  
<else>  
(<scope>Stack.Peek.Implementor as T<scope>Scope).<attr.name>  
<endif>  
<endif>  
>>
```

```
scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <<  
<if(negIndex)>  
(<scope>Stack[<scope>Stack.Count-<negIndex>-1] as T<scope>Scope).<attr.name> := <expr>;<\n>  
<else>  
<if(index)>  
(<scope>Stack[<index>] as T<scope>Scope).<attr.name> := <expr>;<\n>  
<else>  
(<scope>Stack.Peek.Implementor as T<scope>Scope).<attr.name> := <expr>;<\n>  
<endif>  
<endif>  
>>
```

```
/** $x is either global scope or x is rule with dynamic scope; refers  
 * to stack itself not top of stack. This is useful for predicates  
 * like { $function.size()>0 && $function::name.equals("foo") }?  
 */
```

```
isolatedDynamicScopeRef(scope) ::= "<scope>Stack"
```

```
/** reference an attribute of rule; might only have single return value */
```

```
ruleLabelRef(referencedRule,scope,attr)  
 ::= <<  
<if(referencedRule.hasMultipleReturnValues)>  
(IfThen(Assigned(<scope>),Def(<scope>).<attr.name>,<initValue(attr.type)>))  
<else>  
<scope>  
<endif>  
>>
```

```
returnAttributeRef(ruleDescriptor,attr) ::= <<
```

```

<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal.<attr.name> := <expr>;
<else>
<attr.name> := <expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(Def(<scope>).Text)"
tokenLabelPropertyRef_type(scope,attr) ::= "(Def(<scope>).TokenType)"
tokenLabelPropertyRef_line(scope,attr) ::= "(Def(<scope>).Line)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(Def(<scope>).CharPositionInLine)"
tokenLabelPropertyRef_channel(scope,attr)
::= "(Def(<scope>).Channel)"
tokenLabelPropertyRef_index(scope,attr) ::= "(Def(<scope>).TokenIndex)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(StrToIntDef(Def(<scope>).Text,0))"

ruleLabelPropertyRef_start(scope,attr) ::= "(IfThen(Assigned(<scope>), Def(<scope>).Start, nil) as I<labelType>)"
ruleLabelPropertyRef_stop(scope,attr) ::= "(Def(<scope>).Stop as I<labelType>)"
ruleLabelPropertyRef_tree(scope,attr) ::= "(Def(Def(<scope>).Tree as I<ASTLabelType>))"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
IfThen(Assigned(<scope>), Input.TokenStream.ToString(
Input.TreeAdaptor.GetTokenStartIndex(Def(<scope>).Start),
Input.TreeAdaptor.GetTokenStopIndex(Def(<scope>).Start)), ")
<else>
IfThen(Assigned(<scope>), Input.ToString(
(Def(<scope>).Start) as IToken,(Def(<scope>).Stop) as IToken), ")
<endif>
>>
ruleLabelPropertyRef_st(scope,attr) ::=

```

```

"(<scope> != null) ? <scope>.ST : null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "(Def(<scope>).TokenType)"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "(Def(<scope>).Line)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "(IfThen(Assigned(<scope>),Def(<scope>).CharPositionInLine,-1))"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "(Def(<scope>).Channel)"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "(Def(<scope>).TokenIndex)"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "(Def(<scope>).Text)"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "(StrToIntDef(Def(<scope>).Text,0))"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "(RetVal.Start as I<labelType>)"
rulePropertyRef_stop(scope,attr) ::= "(RetVal.Stop as I<labelType>)"
rulePropertyRef_tree(scope,attr) ::= "(RetVal.Tree as I<ASTLabelType>)"
rulePropertyRef_text(scope,attr)
::= <<
<if(TREE_PARSER)>
Input.TokenStream.ToString(
Input.TreeAdaptor.GetTokenStartIndex(RetVal.Start),
Input.TreeAdaptor.GetTokenStopIndex(RetVal.Start))
<else>
Input.ToString(RetVal.Start as IToken,Input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "RetVal.ST"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "TokenType"
lexerRulePropertyRef_line(scope,attr) ::= "State.TokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "State.TokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "Channel"
lexerRulePropertyRef_start(scope,attr) ::= "State.TokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "StrToInt(<scope>.Text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr)
::= "RetVal.Tree := <expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "RetVal.ST := <expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<

```

```

<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if (<actions.(actionScope).synpredgate>) then
begin
  <action>
end;
<else>
if (State.Backtracking = 0) then
begin
  <action>
end;<\n>
<endif>
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
<name> := TBitSet.Create([<words64: {<it>};separator=",">]);<\n>
>>

bitsetDecl(name) ::= <<
<name>: IBitSet;<\n>
>>

codeFileExtension() ::= ".pas"

true() ::= "True"
false() ::= "False"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Delphi/Delphi.stg
No license file was found, but licenses were detected in source scan.

/*
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```

```

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*/

```

```

@outputFile.imports() ::= <<
<@super.imports()>

<if(!TREE_PARSER)>
<! tree parser would already have imported !>
using Antlr.Runtime.Tree;
using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
>>

```

```

@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>

```

```

parserCtorBody()
::= <%
<super.parserCtorBody()><\n>
TreeAdaptor =
<if(actions.(actionScope).treeAdaptorInitializer)>
<actions.(actionScope).treeAdaptorInitializer>
<else>
new <actions.(actionScope).treeAdaptorType; null="CommonTreeAdaptor">()

```

```

<end>
;
%>

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
private <treeAdaptorType()> adaptor;

public <treeAdaptorType()> TreeAdaptor
{
get
{
return adaptor;
}

set
{
this.adaptor = value;
<grammar.directDelegates:{g|<g:delegateName()>.TreeAdaptor = this.adaptor;}>
}
}
>>

treeAdaptorType() ::= <<
<actions.(actionScope).treeAdaptorType; null="ITreeAdaptor">
>>

ruleReturnBaseType() ::= <%
Ast<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<ASTLabelType>, <labelType>>
%>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = default(<ASTLabelType>);<\n>
>>

ruleLabelDefs()
::= <<
<super.ruleLabelDefs()>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|<ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}; separator="\n">
<ruleDescriptor.tokenListLabels: {it|<ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);};
separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites

```

```

: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0
= (<ASTLabelType>)adaptor.Nil();
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);
>>

/** Match ^(label+=TOKEN ...) track
for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```



```

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.Add(<label>.Tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

//
R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::= <<
<\n>{
// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {

```

```

<endif>
<prevRuleRootRef(>.Tree = root_0;
<rewriteCodeLabels(>
root_0 = (<ASTLabelType>)adaptor.Nil();
<alts:rewriteAlt(>
separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER&&rewriteMode)>
<prevRuleRootRef(>.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
if (<prevRuleRootRef(>.Tree != null)
input.ReplaceChildren(adaptor.GetParent(retval.Start), adaptor.GetChildIndex(retval.Start),
adaptor.GetChildIndex(_last), retval.Tree);
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER||!rewriteMode)>
<prevRuleRootRef(>.Tree = root_0;
<endif>
<if(backtracking)>
}
<endif>
}

>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedTokenListLabels
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedWildcardLabels
: {it|RewriteRuleSubtreeStream
stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>);};
separator="\n"
>
<referencedWildcardListLabels
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>);};
separator="\n"
>
<referencedRuleLabels
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.Tree:null);};
separator="\n"

```

```

>
<referencedRuleListLabels
  :{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it>","list_<it>");}
  separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
// <fileName>:<description>
if
  (<referencedElementsDeep:{el | stream_<el>.HasNext}; separator="||">)
  {
  <alt>
  }
<referencedElementsDeep:{el | stream_<el>.Reset();<n>}>
>>

rewriteClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
// <fileName>:<description>
while ( <referencedElements:{el | stream_<el>.HasNext}; separator="||"> )
  {
  <alt>
  }
<referencedElements:{el | stream_<el>.Reset();<n>}>
>>

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.HasNext}; separator="||">))
  {
  throw new RewriteEarlyExitException();

```

```

}
while ( <referencedElements:{el | stream_<el>.HasNext}; separator="||"> )
{
  <alt>
}
<referencedElements:{el | stream_<el>.Reset();<\n>}>
>>

rewriteAlt(a) ::=
  <<
  // <a.description>
  <if(a.pred)>
  if (<a.pred>)
  {
    <a.alt>
  }
  <else>
  {
    <a.alt>
  }
  <endif>
  >>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
  <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
  <root:rewriteElement()>
  <children:rewriteElement()>
  adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <%
<@pregen()>
DebugLocation(<e.line>, <e.pos>);<\n>
<e.el>
%>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
adaptor.AddChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

```

```

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/**
Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createImaginaryNode(tokenType=token,
...)>, root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<

```

```

adaptor.AddChild(root_<treeLevel>, stream_<rule>.NextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<rule>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
adaptor.AddChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ...
  where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>,
<args; separator=", "><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>)
<endif>

```



```

/*
 * Template group file for the Objective C code generator.
 * Heavily based on Java.stg
 *
 * Written by Kay Roepke <kroepke(at)classdump.org>
 * Modified by Alan Condit <acondit(at)ipns.com>
 *
 * This file is part of ANTLR and subject to the same license as ANTLR itself.
 */

objcTypeInitMap ::= [
  "int"      : "0",      // Integers  start out being 0
  "long"     : "0",      // Longs
                        start out being 0
  "float"    : "0.0",    // Floats   start out being 0
  "double"   : "0.0",    // Doubles  start out being 0
  "BOOL"     : "NO",     // Booleans  start out being Antlr ObjC for false
  "byte"     : "0",      // Bytes    start out being 0
  "short"    : "0",      // Shorts   start out being 0
  "char"     : "0",      // Chars    start out being 0
  "id"       : "nil",    // ids      start out being nil
  default    : "nil"     // anything other than an atomic type
]

// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"
// The Java version of Boolean returns "true" and "false", so they map to themselves here.
booleanLiteral ::= [
  "True":"true",
  "False":"false",
  "true":"YES",
  "false":"NO",
  default:"NO"
]

className() ::= "<name><!<if(LEXER)>Lexer<else><if(TREE_PARSER)>Tree<endif>Parser<endif>!>"
leadIn(type)
 ::=
 <<
 /** \file
 * This <type> file was generated by $ANTLR version <ANTLRVersion>
 *
 * - From the grammar source file : <fileName>
 * - On : <generatedTimestamp>
 <if(LEXER)>
 * - for the lexer : <name>Lexer
 <endif>
 <if(PARSER)>

```



```

* - for the parser : <name>Parser
<endif>
<if(TREE_PARSER)>
* - for the tree parser : <name>TreeParser
<endif>
*
* Editing it, at least manually, is not wise.
*
* ObjC language generator and runtime by Alan Condit, acondit@hereisanat[ipns|dotgoeshere|com].
*
*
>>

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/
outputFile( LEXER,
            PARSEr,
            TREE_PARSER,
            actionScope,
            actions,
            docComment,
            recognizer,
            name,

            tokens,
            tokenNames,
            rules,
            cyclicDFAs,
            bitsets,
            buildTemplate,
            buildAST,
            rewriteMode,
            profile,
            backtracking,
            synpreds,
            memoize,
            numRules,
            fileName,
            ANTLRVersion,
            generatedTimestamp,
            trace,
            scopes,
            superClass,
            literals
            ) ::=
<<
<leadIn("OBJC source")>

```

```

*/
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<! <if(actions.(actionScope).header)>
/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/
<actions.(actionScope).header>
/* End of Header action.
* =====
*/
<endif> !>

/* -----
* Include the ANTLR3 generated header file.
*/
#import "<name><!<if(LEXER)>Lexer<else><if(TREE_PARSER)>Tree<endif>Parser<endif>!>.h"
<actions.(actionScope).postinclude>
/* ----- */

<docComment>

<if(literals)>
/** String literals used by <name> that we must do things like MATCHS() with.
* C will normally just lay down 8 bit characters, and you can use L"xxx" to
* get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
* we perform this little trick of defining the literals as arrays of UINT32
* and passing in the address of these.
*/
<literals:{it | static ANTLR3_UCHAR lit_<i>[] = <it>;}; separator="\n">

<endif>

/* ===== */
/* ===== */
* Start of recognizer
*/
<recognizer>
>>
headerFileExtension() ::= ".h"

headerFile( LEXER,
            PARSEr,
            TREE_PARSER,
            actionScope,
            actions,
            docComment,
            recognizer,

```

```

    name,
    tokens,
    tokenNames,
    rules,
    cyclicDFAs,
    bitsets,
    buildTemplate,
    buildAST,
    rewriteMode,
    profile,
    backtracking,
    synpreds,
    memoize,
    numRules,
    fileName,
    ANTLRVersion,
    generatedTimestamp,
    trace,
    scopes,
    superClass,
    literals
) ::=
<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>
<actions.(actionScope).preincludes>
/* =====
* Standard antlr OBJC runtime definitions
*/
#import \<Cocoa/Cocoa.h>
#import \<ANTLR/ANTLR.h>
/* End of standard antlr3 runtime definitions
* =====
*/
<actions.(actionScope).includes>
<@end>

<if(LEXER)>
<lexerHeaderFile(...)>
<endif>
<if(PARSER)>
<parserHeaderFile(...)>
<endif>
<if(TREE_PARSER)>
<treeParserHeaderFile(...)>
<endif>
<docComment>

```

>>

```
lexerHeaderFile( LEXER,  
    PARSEr,  
    TREE_PARSEr,  
    actionScope,  
    actions,  
    docComment,  
    recognizer,  
    name,  
    tokens,  
    tokenNames,  
    rules,  
    cyclicDFAs,  
    bitsets,  
    buildTemplate,  
    profile,  
    backtracking,  
    synpreds,  
    memoize,  
    numRules,  
    fileName,  
    ANTLRVersion,  
    generatedTimestamp,  
    trace,  
    scopes,  
    superClass="Lexer"  
    ) ::=
```

<<

```
<if(actions.(actionScope).header)>  
/* =====  
* This is what the grammar programmer asked us to put at the top of every file.  
*/  
<actions.(actionScope).header>  
/* End of Header action.  
* =====  
*/  
<endif>  
  
/* Start cyclicDFAInterface */  
<cyclicDFAs:cyclicDFAInterface()>  
  
#pragma mark Rule return scopes Interface start  
<rules:{rule |  
<rule.ruleDescriptor: {ruleDescriptor | <returnScopeInterface(scope=ruleDescriptor.returnScope)>>>>  
#pragma mark Rule return scopes Interface end  
#pragma mark Tokens
```

```

#ifndef TOKENLISTAlreadyDefined
#define TOKENLISTAlreadyDefined 1
#ifdef EOF
#undef EOF
#endif
<tokens:{it | #define <it.name> <it.type>}; separator="\n">
#endif
/* interface lexer class */
@interface <className()> <@superClassName>: <superClass><@end> { // line 283
<cyclicDFAs:{dfa | DFA<dfa.decisionNumber> *dfa<dfa.decisionNumber>;}; separator="\n">
<synpreds:{pred | SEL <pred>Selector;}; separator="\n">
/* ObjC
start of actions.lexer.memVars */
<actions.lexer.memVars>
/* ObjC end of actions.lexer.memVars */
}
+ (void) initialize;
+ (<className()> *)new<className()>WithCharStream:(id<CharStream>)anInput;
/* ObjC start actions.lexer.methodsDecl */
<actions.lexer.methodsDecl>
/* ObjC end actions.lexer.methodsDecl */
<rules:{rule |
- (<rule.ruleDescriptor:{ruleDescriptor|<returnType()>})
<if(!rule.ruleDescriptor.isSynPred)>m<rule.ruleName><else><rule.ruleName>_fragment<endif>
<if(rule.ruleDescriptor.parameterScope)><rule.ruleDescriptor.parameterScope:parameterScope()><endif>; };
separator="\n"><\n>
@end /* end of <className()> interface */<\n>
>>

headerReturnScope(ruleDescriptor) ::= "<returnScopeInterface(...)>"
headerReturnType(ruleDescriptor) ::= <<
<if(LEXER)>
<if(!r.ruleDescriptor.isSynPred)>
void
<else>
<ruleDescriptor:returnType()>
<endif>
<else>
<ruleDescriptor:returnType()>
<endif>
>>
// Produce the lexer output
lexer( grammar,
      name,

      tokens,
      scopes,
      rules,

```

```

    numRules,
    filterMode,
    labelType="CommonToken",
    superClass="Lexer"
) ::= <<
<cyclicDFAs:cyclicDFA(>

/** As per Terence: No returns for lexer rules! */
<!
#pragma mark Rule return scopes start
<rules:{rule | <rule.ruleDescriptor:{ruleDescriptor |
<returnScopeImplementation(scope=ruleDescriptor.returnScope)>>}>
}>
#pragma mark Rule return scopes end
!>
@implementation <grammar.recognizerName> // line 330

+ (void) initialize
{
    [BaseRecognizer setGrammarFileName:@"<fileName>"];
}

+ (NSString *) tokenNameForType:(NSInteger)aTokenType
{
    return [[self getTokenNames] objectAtIndex:aTokenType];
}

+ (<grammar.recognizerName> *)new<grammar.recognizerName>WithCharStream:(id<CharStream>)anInput
{
    return [[<grammar.recognizerName> alloc] initWithCharStream:anInput];
}

- (id) initWithCharStream:(id<CharStream>)anInput
{
    self = [super initWithCharStream:anInput State:[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1]];
    if ( self != nil ) {
<if(memoize)>
        if ( state.ruleMemo == nil ) {
            state.ruleMemo = [[RuleStack newRuleStackWithSize:<numRules>+1] retain];
        }
        if ( [state.ruleMemo count] == 0 ) {
            // initialize the memoization cache - the indices are 1-based in the runtime code!
            <! [state.ruleMemo addObject:[NSNull null]]; /* dummy entry to ensure 1-basedness. */ !>
            for (NSInteger i = 0; i < <numRules>; i++) {
                [state.ruleMemo addObject:[HashRule newHashRuleWithLen:17]];
            }
        }
    }
}

```

```

<endif>
    <synpreds:{ pred | <lexerSynpred(name=pred)>};separator="\n">
    <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = [DFA<dfa.decisionNumber>
newDFA<dfa.decisionNumber>WithRecognizer:self];}; separator="\n">
    <actions.lexer.init>
    }
    return self;
}

- (void) dealloc
{
    <cyclicDFAs:{ dfa | [dfa<dfa.decisionNumber>
release];}; separator="\n">
<actions.lexer.dealloc>
    [super dealloc];
}

/* ObjC Start of actions.lexer.methods */
<actions.lexer.methods>
/* ObjC end of actions.lexer.methods */
/* ObjC start methods() */
<@methods()>
/* ObjC end methods() */

<if(actions.lexer.reset)>
- (void) reset
{
    <actions.lexer.reset>
    [super reset];
}
<endif>

<if(filterMode)>
<filteringNextToken()>
<endif>
/* Start of Rules */
<rules; separator="\n">

@end /* end of <grammar.recognizerName> implementation line 397 */
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<

```

```

- (id<Token>) nextToken
{
    while (YES) {
        if ( [input LA:1] ==
CharStreamEOF ) {
            return [<labelType> eofToken];
        }
        state.token = nil;
        state.channel = TokenChannelDefault;
        state.tokenStartCharIndex = input.index;
        state.tokenStartCharPositionInLine = input.charPositionInLine;
        state.tokenStartLine = input.line;
        state.text = nil;
        @try {
            NSInteger m = [input mark];
            state.backtracking = 1; /* means we won't throw slow exception */
            state.failed = NO;
            [self mTokens];
            state.backtracking = 0;
            /* mTokens backtracks with synpred at backtracking==2
            and we set the synpredgate to allow actions at level 1. */
            if ( state.failed ) {
                [input rewind:m];
                [input consume]; /* advance one char and try again */
            } else {
                [self emit];
                return state.token;
            }
        }
        @catch (RecognitionException
*re) {
            // shouldn't happen in backtracking mode, but...
            [self reportError:re];
            [self recover:re];
        }
    }
}

- (void)memoize:(id<IntStream>)anInput
    RuleIndex:(NSInteger)ruleIndex
    StartIndex:(NSInteger)ruleStartIndex
{
    if ( state.backtracking > 1 ) [super memoize:anInput RuleIndex:ruleIndex StartIndex:ruleStartIndex];
}

- (BOOL)alreadyParsedRule:(id<IntStream>)anInput RuleIndex:(NSInteger)ruleIndex
{
    if ( state.backtracking > 1 ) return [super alreadyParsedRule:anInput RuleIndex:ruleIndex];
}

```



```

    return NO;
}
>>

actionGate() ::= "state.backtracking == 0"

filteringActionGate() ::= "state.backtracking == 1"

parserHeaderFile( LEXER,
    PARSER,
    TREE_PARSER,
    actionScope,
    actions,
    docComment,
    recognizer,
    name,
    tokens,
    tokenNames,
    rules,
    cyclicDFAs,
    bitsets,
    buildTemplate,
    profile,
    backtracking,
    synpreds,
    memoize,
    numRules,
    fileName,
    ANTLRVersion,
    generatedTimestamp,
    trace,
    scopes,
    literals,
    superClass="Parser"
) ::= <<
/* parserHeaderFile */
<genericParserHeaderFile(inputStreamType="id\<TokenStream>"...)>
>>

```

```

treeParserHeaderFile( LEXER,
    PARSER,
    TREE_PARSER,
    actionScope,
    actions,
    docComment,
    recognizer,
    name,
    tokens,

```

```

tokenNames,
rules,
cyclicDFAs,
bitsets,
buildTemplate,
profile,
backtracking,
synpreds,
memoize,
numRules,
fileName,
ANTLRVersion,
generatedTimestamp,
trace,
scopes,
literals,
superClass="TreeParser"
) ::= <<
/* treeParserHeaderFile */
<genericParserHeaderFile(inputStreamType="id\<TreeNodeStream>",...)>
>>

```

```

genericParserHeaderFile( LEXER,
PARSER,
TREE_PARSER,
actionScope,
actions,
docComment,
recognizer,
name,
tokens,
tokenNames,
rules,
cyclicDFAs,
bitsets,
buildTemplate,
profile,
backtracking,
synpreds,
memoize,
numRules,
fileName,
ANTLRVersion,
generatedTimestamp,
trace,
scopes,
superClass,
literals,

```

```

        inputStreamType
    ) ::=
<<
<if(actions.(actionScope).header)>
/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/
<actions.(actionScope).header>
/* End of Header action.
* =====
*/
<endif>

#ifndef ANTLR3TokenTypeAlreadyDefined
#define ANTLR3TokenTypeAlreadyDefined
typedef enum {
    ANTLR_EOF = -1,
    INVALID,
    EOR,
    DOWN,
    UP,
    MIN
} ANTLR3TokenType;
#endif

<cyclicDFAs:cyclicDFAInterface()>
#pragma mark Tokens
#ifndef TOKENLISTAlreadyDefined
#define TOKENLISTAlreadyDefined 1
#ifdef EOF
#undef EOF
#endif
<tokens:{it | #define <it.name> <it.type>}; separator="\n">
#endif
#pragma mark Dynamic Global Scopes globalAttributeScopeInterface
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeInterface(scope=it)><endif>}>
#pragma mark Dynamic Rule Scopes ruleAttributeScopeInterface
<rules:{rule |
<rule.ruleDescriptor:{ ruleDescriptor | <ruleAttributeScopeInterface(scope=ruleDescriptor.ruleScope)>>>}>
#pragma
    mark Rule Return Scopes returnScopeInterface
<rules:{rule |<rule.ruleDescriptor:{ ruleDescriptor |
<returnScopeInterface(scope=ruleDescriptor.returnScope)>>>}>

/* Interface grammar class */
@interface <className()> <@superClassName> : <superClass><@end> { /* line 572 */
#pragma mark Dynamic Rule Scopes ruleAttributeScopeDecl
<rules:{rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScopeDecl(scope=rule.ruleDescriptor.ruleScope)>>}>

```

```

#pragma mark Dynamic Global Rule Scopes globalAttributeScopeMemVar
<scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeMemVar(scope=it)><endif>}><\n>
/* ObjC start of actions.(actionScope).memVars */
<actions.(actionScope).memVars>
/* ObjC end of actions.(actionScope).memVars */
/* ObjC start of memVars */
<@memVars()>
/* ObjC end of memVars */

<cyclicDFAs:{ dfa | DFA<dfa.decisionNumber> *dfa<dfa.decisionNumber>;}; separator="\n">
<synpreds:{ pred | SEL <pred>Selector;}; separator="\n">
}

/* ObjC start of actions.(actionScope).properties */
<actions.(actionScope).properties>
/* ObjC end of actions.(actionScope).properties */
/* ObjC start of properties */
<@properties()>
/* ObjC end of properties */

+ (void) initialize;
+ (<className()> *) new<className()>:<inputStreamType>aStream;
/* ObjC start of actions.(actionScope).methodsDecl */
<actions.(actionScope).methodsDecl>
/* ObjC end of actions.(actionScope).methodsDecl */

/* ObjC start of methodsDecl */
<@methodsDecl()>
/* ObjC end of methodsDecl */

<rules:{ rule |
-
(<rule.ruleDescriptor:{ ruleDescriptor|<returnType()>}><if(!rule.ruleDescriptor.isSynPred)><rule.ruleName><else
><rule.ruleName>_fragment<endif><if(rule.ruleDescriptor.parameterScope)><rule.ruleDescriptor.parameterScope:
parameterScope()><endif>; }; separator="\n"><\n>

@end /* end of <className()> interface */<\n>
>>

parser( grammar,
    name,
    scopes,
    tokens,
    tokenNames,
    rules,

    numRules,
    bitsets,

```

```

    ASTLabelType="CommonTree",
    superClass="Parser",
    labelType="CommonToken",
    members={<actions.parser.members>}
  ) ::= <<
<genericParser(inputStreamType="id<TokenStream>", rewriteElementType="Token", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser( grammar,
  name,
  scopes,
  tokens,
  tokenNames,
  globalAction,
  rules,
  numRules,
  bitsets,
  filterMode,
  labelType={<ASTLabelType>},
  ASTLabelType="CommonTree",
  superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
  members={<actions.treeparser.members>}
) ::= <<
<genericParser(inputStreamType="id<TreeNodeStream>", rewriteElementType="Node", ...)>
>>

/** How to generate a parser */
genericParser( grammar,
  name,
  scopes,
  tokens,
  tokenNames,
  rules,
  numRules,
  cyclicDFAs,    // parser init -- initializes the DFAs
  bitsets,
  labelType,
  ASTLabelType,
  superClass,
  members,
  filterMode,
  rewriteElementType,
  inputStreamType
) ::= <<
<cyclicDFAs:cyclicDFA(>

```

```

#pragma mark Bitsets
<bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>>>

#pragma mark Dynamic Global globalAttributeScopeImplementation
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeImplementation(scope=it)><endif>>>

#pragma mark Dynamic Rule Scopes ruleAttributeScopeImplementation
<rules:{rule |
<rule.ruleDescriptor:{ ruleDescriptor | <ruleAttributeScopeImplementation(scope=ruleDescriptor.ruleScope)>>>>

#pragma mark Rule Return Scopes returnScopeImplementation
<rules:{rule | <rule.ruleDescriptor:{ ruleDescriptor |
<returnScopeImplementation(scope=ruleDescriptor.returnScope)>>>>

@implementation
<grammar.recognizerName> // line 637

/* ObjC start of ruleAttributeScope */
#pragma mark Dynamic Rule Scopes ruleAttributeScope
<rules:{rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScope()>>>
/* ObjC end of ruleAttributeScope */
#pragma mark global Attribute Scopes globalAttributeScope
/* ObjC start globalAttributeScope */
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope()><endif>>>
/* ObjC end globalAttributeScope */
/* ObjC start actions.(actionScope).synthesize */
<actions.(actionScope).synthesize>
/* ObjC start synthesize() */
<@synthesize()>

+ (void) initialize
{
    #pragma mark Bitsets
    <bitsets:{it | <bitsetInit(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>>>
    [BaseRecognizer setTokenNames:[[AMutableArray arrayWithObjects:@"\<invalid>", @"\<EOR>",
@"\<DOWN>", @"\<UP>", <tokenNames:{it | @<it>}; separator=",", wrap="\n", nil] retain]];
    [BaseRecognizer setGrammarFileName:@"<fileName>"];
    <synpreds:{pred | <synpred(pred)>>>
}

+ (<grammar.recognizerName> *)new<grammar.recognizerName>:(<inputStreamType>)aStream
{
<if(PARSER)>
    return [[<grammar.recognizerName> alloc] initWithTokenStream:aStream];
<else><! TREE_PARSER !>
    return [[<grammar.recognizerName> alloc] initWithStream:aStream];
<endif>

```

```

}

<if(PARSER)>
- (id) initWithTokenStream:(<inputStreamType>)aStream
{
    self = [super initWithTokenStream:aStream State:[[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1] retain]];
    if ( self != nil ) {
<else><! TREE_PARSER !>
- (id) initWithStream:(<inputStreamType>)aStream
{
    self = [super initWithStream:aStream State:[[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1] retain]];
    if ( self != nil ) {
<endif>
        <! <parserCtorBody()> !>
        <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = [DFA<dfa.decisionNumber>
newDFA<dfa.decisionNumber>WithRecognizer:self];};
        separator="\n">
        <scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeInit(scope=it)><endif> }>
        <rules:{ rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScopeInit()> }>
        /* start of actions-actionScope-init */
        <actions.(actionScope).init>
        /* start of init */
        <@init()>
    }
    return self;
}

- (void) dealloc
{
    <cyclicDFAs:{ dfa | [dfa<dfa.decisionNumber> release];}; separator="\n">
    <scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDealloc(scope=it)><endif> }>
    <actions.(actionScope).dealloc>
    <@dealloc()>
    [super dealloc];
}

/* ObjC start actions.(actionScope).methods */
<actions.(actionScope).methods>
/* ObjC end actions.(actionScope).methods */
/* ObjC start methods() */
<@methods()>
/* ObjC end methods() */
/* ObjC start rules */
<rules; separator="\n">
/* ObjC end rules */

```

```

@end /* end of <grammar.recognizerName> implementation line
692 */<\n>
>>

parserCtorBody() ::= <<
<if(memoize)> /* parserCtorBody */
<if(grammar.grammarIsRoot)>
state.ruleMemo = [[RuleStack newRuleStack:<numRules>+1] retain];<\n> <! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
>>

/** A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>_fragment
- (void) <ruleName>_fragment
{
  <ruleLabelDefs()>
  <if(trace)>
    [self traceIn:@"<ruleName>_fragment" Index:<ruleDescriptor.index>];

    @try {
      <block>
    }
    @finally {
      [self traceOut:@"<ruleName>_fragment" Index:<ruleDescriptor.index>];
    }
  <else>
    <block>
  <endif>
} // $ANTLR end <ruleName>_fragment
>>

synpred(name) ::= <<
SEL <name>Selector = @selector(<name>_fragment);
<! // $ANTLR start <name>
- (BOOL) <name>
{
  state.backtracking++;

```



```

<@start(>
NSInteger start = [input mark];
@try {
    [self <name>_fragment]; // can never throw exception
}
@catch (RecognitionException *re) {
    NSLog(@"impossible: %@\n", re.name);
}
BOOL success = (state.failed == NO);
[input rewind:start];
<@stop(>
state.backtracking--;
state.failed=NO;
return success;
} // $ANTLR end <name> <\n> !>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if ( state.backtracking > 0 && [self alreadyParsedRule:input RuleIndex:<ruleDescriptor.index>] ) { return
<ruleReturnValue(>; }
<endif>
>>

/**
How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if (backtracking)>if ( state.failed ) return <ruleReturnValue(>;<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if ( state.backtracking > 0 ) { state.failed = YES; return <ruleReturnValue(>; }<\n><endif>
>>

/** How to generate code for a rule.
* The return type aggregates are declared in the header file (headerFile template)
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<

/*
* $ANTLR start <ruleName>
* <fileName>:<description>
*/

```

```

- (<returnType(>) <ruleName><ruleDescriptor.parameterScope:parameterScope(>
{
  <if(trace)>[self traceIn:\@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
  <if(trace)>NSLog(@"enter <ruleName> %@ failed=%@ backtracking=%d", [input LT:1],
(state.failed==YES)?@"YES":@"NO", state.backtracking);<endif>
  <ruleScopeSetUp(>
  <ruleDeclarations(>
  <ruleDescriptor.actions.init>
  <@preamble(>
  @try {
    <ruleMemoization(name=ruleName)>
    <ruleLabelDefs(>
    <block>
    <ruleCleanup(>
    <(ruleDescriptor.actions.after):execAction(>
  }
  <if(exceptions)>
    <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n>}>
  <else><if(!emptyRule)><if(actions.(actionScope).rulecatch)>
    <actions.(actionScope).rulecatch>
  <else>
    @catch (RecognitionException *re) {
      [self reportError:re];
      [self recover:input Exception:re];
      <@setErrorReturnValue(>
    }<\n>
  <endif><endif><endif>
  @finally {
    <if(trace)>[self traceOut:@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
    <memoize(>
    <ruleScopeCleanup(>
    <finally>
  }
  <@postamble(>
  return <ruleReturnValue(>;
}
/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{
  <finalBlock>
}
>>

catch(decl,action)
::= <<
@catch (<e.decl>) {

```

```

    <e.action>
  }
>>

ruleDeclarations() ::= <<
/* ruleDeclarations */
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType()> retval = [<ruleDescriptor:returnStructName()> new<ruleDescriptor:returnStructName()>];
[retval setStart:[input LT:1]];<\n>
<else>
<ruleDescriptor.returnScope.attributes:{ a |
<a.type> <a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
NSInteger <ruleDescriptor.name>_startIndex = input.index;
<endif>
>>

ruleScopeSetUp() ::= <<
/* ruleScopeSetUp */
<ruleDescriptor.useScopes:{it | [<it>_stack push:[<it>_Scope new<it>_Scope]];}>
<ruleDescriptor.ruleScope:{it | [<it.name>_stack push:[<it.name>_Scope new<it.name>_Scope]];}>
>>

ruleScopeCleanUp() ::= <<
/* ruleScopeCleanUp */
<ruleDescriptor.useScopes:{it | [<it>_stack pop];}; separator="\n">
<ruleDescriptor.ruleScope:{it | [<it.name>_stack pop];}; separator="\n">
>>

ruleLabelDefs() ::=
<%
/* ruleLabelDefs entry */<\n">
<[ruleDescriptor.tokenLabels, ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it |<labelType> *<it.label.text> = nil;}; separator="\n"><\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | AMutableArray *list_<it.label.text> = nil;}; separator="\n"><\n">
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n"><\n">
<ruleDescriptor.ruleListLabels:{||ParserRuleReturnScope *<ll.label.text> = nil;}; separator="\n"><\n">
%>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it |<labelType> *<it.label.text>=nil;}; separator="\n"

```

```

>
<ruleDescriptor.charLabels:{it |NSInteger <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]:{it |AMutableArray *list_<it.label.text>=nil; }; separator="\n">
>>

ruleReturnValue()
::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

ruleCleanUp() ::= <<
/* token+rule list labels */
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]:{it |[list_<it.label.text> release];}; separator="\n">
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
[retval setStop:[input LT:-1]];<\n>
<endif><endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) [self memoize:input RuleIndex:<ruleDescriptor.index>
StartIndex:<ruleDescriptor.name>_StartIndex];
<endif><endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName, nakedBlock, ruleDescriptor, block, memoize) ::= <<
// $ANTLR start "<ruleName>"
- (void)
m<ruleName><if(ruleDescriptor.parameterScope)><ruleDescriptor.parameterScope:parameterScope(scope=it)><endif>
{
//<if(trace)>[self traceIn:\@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
<if(trace)>NSLog(@"enter <ruleName> %C line=%d:%d failed=%@ backtracking=%d",
[input LA:1],

```

```

        self.line,
        self.charPositionInLine,
        (state.failed==YES) ? @"YES" : @"NO",
        state.backtracking);
<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
    @try {
<if(nakedBlock)>
    <ruleMemoization(name=ruleName)>
    <lexerRuleLabelDefs()>
    <ruleDescriptor.actions.init>
    <block><\n>
<else>
    NSInteger _type = <ruleName>;
    NSInteger _channel = TokenChannelDefault;
    <ruleMemoization(name=ruleName)>
    <lexerRuleLabelDefs()>
    <ruleDescriptor.actions.init>
    <block>
    <ruleCleanUp()>
    state.type = _type;
    state.channel = _channel;
    <(ruleDescriptor.actions.after):execAction()>
<endif>
    }
    @finally {
        //<if(trace)>[self traceOut:[NSString stringWithFormat:@"<ruleName> %d\n",
<ruleDescriptor.index>]];<endif>
        <if(trace)>NSLog(@"exit <ruleName> %C line=%d:%d failed=%@ backtracking=%d",
            [input LA:1], self.line, self.charPositionInLine,
            (state.failed==YES) ? @"YES" : @"NO", state.backtracking);<endif>
        <ruleScopeCleanUp()>
        <memoize()>
    }
    return;
}
/* $ANTLR end "<ruleName>" */
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
- (void) mTokens
{
    <block><\n>
}

```

>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */

block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description> // block

NSInteger alt<decisionNumber>=<maxAlt>;

<decls>

<@predecision()>

<decision>

<@postdecision()>

<@prebranch()>

switch

(alt<decisionNumber>) {

<alts:{ a | <altSwitchCase(i, a)>}>

}

<@postbranch()>

>>

/** A rule block with multiple alternatives */

ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description> //ruleblock

NSInteger alt<decisionNumber>=<maxAlt>;

<decls>

<@predecision()>

<decision>

<@postdecision()>

switch (alt<decisionNumber>) {

<alts:{ a | <altSwitchCase(i, a)>}>

}

>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description> // ruleBlockSingleAlt

<decls>

<@prealt()>

<alts>

<@postalt()>

>>

/** A special case of a (...) subrule with a single alternative */

blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description> // blockSingleAlt

<decls>

<@prealt()>

<alts>

<@postalt()>

```

>>

/**
 A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,descriptio
n) ::= <<
// <fileName>:<description> // positiveClosureBlock
NSInteger cnt<decisionNumber> = 0;
<decls>
<@preloop()>
do {
  NSInteger alt<decisionNumber> = <maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch (alt<decisionNumber>) {
    <alts:{ a | <altSwitchCase(i, a)> }>
    default :
      if ( cnt<decisionNumber> >= 1 )
        goto loop<decisionNumber>;
      <ruleBacktrackFailure()>
      EarlyExitException *eee =
        [EarlyExitException newException:input decisionNumber:<decisionNumber>];
      <@earlyExitException()>
      @throw eee;
  }
  cnt<decisionNumber>++;
} while (YES);
loop<decisionNumber>: ;
<@postloop()>
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

/** A (..)* block with 0 or more
 alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
<decls>
<@preloop()>
do {
  NSInteger alt<decisionNumber>=<maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch (alt<decisionNumber>) {
    <alts:{ a | <altSwitchCase(i, a)> }>
    default :

```

```

        goto loop<decisionNumber>;
    }
} while (YES);
loop<decisionNumber>; ;
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum, alt) ::= <<
case <altNum> : ;
    <@prealt()>
    <alt>
    break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description> // alt
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= << <@prematch()><\n><e.el><\n> >>

```



```

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=(<labelType> *)<endif>[self match:input TokenType:<token>
Follow:FOLLOW_<token>_in_<ruleName><elementIndex>]; <checkRuleBacktrackFailure()>
>>

```

```

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

```

```

listLabel(label,elem) ::= <<
if (list_<label>
== nil) list_<label> = [[AMutableArray arrayWithCapacity:5] retain];
[list_<label> addObject:<elem>];<\n>
>>

```

```

/** match a character */
charRef(char,label) ::= <<
<if(label)>NSInteger <label> = [input LA:1];<\n><endif>
[self matchChar:<char>]; <checkRuleBacktrackFailure()><\n>
>>

```

```

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)><label> = [input LA:1];<\n><endif>
[self matchRangeFromChar:<a> to:<b>]; <checkRuleBacktrackFailure()>
>>

```

```

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label> = [input LA:1];<\n>
<else>
<label> = (<labelType> *)[input LT:1]; /* matchSet */<\n>
<endif><endif>
if (<s>) {
    [input consume];
    <postmatchCode>
<if(!LEXER)>
    [state setIsErrorRecovery:NO];
<endif>
    <if(backtracking)>state.failed = NO;<\n><endif>
} else {
    <ruleBacktrackFailure()>
    MismatchedSetException *mse = [MismatchedSetException

```

```

newException:nil stream:input];
  <@mismatchedSetException()>
<if(LEXER)>
<if(label)>
  mse.c = <label>;
<endif>
  [self recover:mse];
  @throw mse;
<else>
  @throw mse;
  <! use following code to make it recover inline; remove throw mse;
  [self recoverFromMismatchedSet:input exception:mse follow:FOLLOW_set_in_<ruleName><elementIndex>]; !>
<endif>
}<\n>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
NSInteger <label>Start = input.index;
[self matchString:<string>]; <checkRuleBacktrackFailure()>
NSInteger StartLine<elementIndex> = self.line;
NSInteger <label>StartCharPos<elementIndex> = self.charPositionInLine;
<label> = [[<labelType> newToken:input Type:TokenTypeInvalid Channel:TokenChannelDefault
Start:<label>Start Stop:input.index]
retain];
[self setLine:<label>StartLine<elementIndex>];
[self setCharPositionInLine:<label>StartCharPos<elementIndex>];
<else>
[self matchString:<string>]; <checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label> = (<labelType> *)[input LT:1];<\n>
<endif>
[self matchAny:input]; <checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<

```

```

<wildcard(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
NSInteger <label> = [input LA:1];<\n>
<endif>
[self matchAny]; <checkRuleBacktrackFailure()><\n>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule,
 * whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
/* ruleRef */
[self pushFollow:FOLLOW_<rule.name>_in_<ruleName><elementIndex>];
<if(label)><label> = <endif>[self <if(scope)><scope:delegateName()>.<endif><rule.name><if(args)><first(args)>
<rest(args):{ a | arg<i>:<rest(args)>}; separator=" "><endif>];<\n>
[self popFollow];
<checkRuleBacktrackFailure()><\n>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
NSInteger <label>Start<elementIndex> = input.index;

```

```

[self m<rule.name><if(args)><args; separator="
:"><endif>]; <checkRuleBacktrackFailure()><\n>
<label> = [[<labelType> newToken:input Type:TokenTypeInvalid Channel:TokenChannelDefault
Start:<label>Start<elementIndex> Stop:input.index-1] retain];
<label>.line = self.line;
<else>
[self <if(scope)><scope:delegateName()><endif>m<rule.name><if(args)><args; separator=":"><endif>];
<checkRuleBacktrackFailure()><\n>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
NSInteger <label>Start<elementIndex> = input.index;
[self matchChar:CharStreamEOF]; <checkRuleBacktrackFailure()><\n>
<labelType> <label> = [[<labelType> newToken:input Type:TokenTypeEOF Channel:TokenChannelDefault
Start:<label>Start<elementIndex> Stop:input.index-1] retain];
<label>.line = self.line;
<else>
[self matchChar:CharStreamEOF]; <checkRuleBacktrackFailure()><\n>
<endif>
>>

//
used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg()>"
recRuleArg()            ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList, enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( [input LA:1] == DOWN ) {
[self match:input TokenType:DOWN Follow:nil]; <checkRuleBacktrackFailure()>
<children:element()>
[self match:input TokenType:UP Follow:nil]; <checkRuleBacktrackFailure()>
}
}

```

```

<else>
  [self match:input TokenType:DOWN Follow:nil]; <checkRuleBacktrackFailure()>
  <children:element()>
  [self match:input TokenType:UP Follow:nil]; <checkRuleBacktrackFailure()>
<endif>
>>

/**
  Every predicate is used as a validating predicate (even when it is
  * also hoisted into a prediction expression).
  */
validateSemanticPredicate(pred,description) ::= <<
if ( !(<evalPredicate(...)> ) ) {
  <ruleBacktrackFailure()>
  @throw [FailedPredicateException newException:@"<ruleName>" predicate:@"<description>" stream:input];
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];<\n>
<edges; separator="\nelse ">
else {
<if(eotPredictsAlt)>
  alt<decisionNumber> = <eotPredictsAlt>;
<else>
  <ruleBacktrackFailure()>
  NoViableAltException *nvae = [NoViableAltException newException:<decisionNumber> state:<stateNumber>
stream:input];
  nvae.c = LA<decisionNumber>_<stateNumber>;
  <@noViableAltException()>
  @throw nvae;<\n>
<endif>
}
>>

/** Same as a normal DFA state except that we don't
  examine lookahead
  * for the bypass alternative. It delays error detection but this
  * is faster, smaller, and more what people expect. For (X)? people
  * expect "if ( LA(1)==X ) match(X);" and that's it.
  */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];<\n>
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>;
<! if no edges, don't gen ELSE !>
<else>
else {
  alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif><endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>;"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( (<labelExpr>) <if(predicates)>&& (<predicates>)<endif> ) {
  <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
unichar charLA<decisionNumber> = [input LA:<k>];
switch (charLA<decisionNumber>) {
  <edges; separator="\n"><\n>
default:
;
<if(eotPredictsAlt)>
  alt<decisionNumber> = <eotPredictsAlt>;
<else>
  <ruleBacktrackFailure()>

```

```

    NoViableAltException *nvae = [NoViableAltException newException:<decisionNumber> state:<stateNumber>
stream:input];
    nvae.c = charLA<decisionNumber>;
    <@noViableAltException()>
    @throw nvae;<\n>
<endif>
}<\n>
>>

```

```

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ([input LA:<k>]) { // dfaOptionalBlockStateSwitch
    <edges; separator="\n"><\n>
}<\n>
>>

```

```

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ([input LA:<k>]) { // dfaLoopbackStateSwitch
    <edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
    alt<decisionNumber> = <eotPredictsAlt>;
    break;<\n>
<endif>
}<\n>
>>

```

```

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it | case <it>: ;;}; separator="\n">
{
    <targetState>
}
break;
>>

```

// C y c l i c D F A

/**

The code to initiate execution of a cyclic DFA; this is used
* in the rule to predict an alt just like the fixed DFA case.
* The <name> attribute is inherited via the parser, lexer, ...
*/

```

dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = [dfa<decisionNumber> predict:input];
>>

```

/** Used in headerFile */

```

cyclicDFAInterface(dfa) ::= <<
#pragma mark Cyclic DFA interface start DFA<dfa.decisionNumber>

```

```

@interface DFA<dfa.decisionNumber> : DFA {
}
+ (DFA<dfa.decisionNumber> *) newDFA<dfa.decisionNumber>WithRecognizer:(BaseRecognizer
*)theRecognizer;
- initWithRecognizer:(BaseRecognizer *)recognizer;
@end /* end of DFA<dfa.decisionNumber> interface */<\n>
#pragma mark Cyclic DFA interface end DFA<dfa.decisionNumber><\n>
>>

/** Used in lexer/parser implementation files */
/* Dump DFA tables as run-length-encoded Strings of octal values.
* Can't use hex as compiler translates them before compilation.
* These strings are split into multiple,
concatenated strings.
* Java puts them back together at compile time thankfully.
* Java cannot handle large static arrays, so we're stuck with this
* encode/decode approach. See analysis and runtime DFA for
* the encoding methods.
*/
cyclicDFA(dfa) ::= <<
#pragma mark Cyclic DFA implementation start DFA<dfa.decisionNumber>

@implementation DFA<dfa.decisionNumber>
const static NSInteger dfa<dfa.decisionNumber>_eot[<dfa.numberofStates>] =
    {<dfa.eot; wrap="\n    ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_eof[<dfa.numberofStates>] =
    {<dfa.eof; wrap="\n    ", separator=",", null="-1">};
const static unichar dfa<dfa.decisionNumber>_min[<dfa.numberofStates>] =
    {<dfa.min; wrap="\n    ", separator=",", null="-1">};
const static unichar dfa<dfa.decisionNumber>_max[<dfa.numberofStates>] =
    {<dfa.max; wrap="\n    ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_accept[<dfa.numberofStates>]
=
    {<dfa.accept; wrap="\n    ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_special[<dfa.numberofStates>] =
    {<dfa.special; wrap="\n    ", separator=",", null="-1">};

/** Used when there is no transition table entry for a particular state */
#define dfa<dfa.decisionNumber>_T_empty    nil

<dfa.edgeTransitionClassMap.keys:{ table |
const static NSInteger dfa<dfa.decisionNumber>_T<i0>[] =
{
    <table; separator=", ", wrap="\n ", null="-1">
\};
}; null="">

const static NSInteger *dfa<dfa.decisionNumber>_transition[] =

```



```

{
  <dfa.transitionEdgeTables:{ whichTable|dfa<dfa.decisionNumber>_T<whichTable>}; separator=", ", wrap="\n",
  null="nil">
};

+ (DFA<dfa.decisionNumber> *) newDFA<dfa.decisionNumber>WithRecognizer:(BaseRecognizer *)aRecognizer
{
  return [[[DFA<dfa.decisionNumber> alloc] initWithRecognizer:aRecognizer] retain];
}

- (id) initWithRecognizer:(BaseRecognizer *) theRecognizer
{
  self = [super initWithRecognizer:theRecognizer];
  if ( self != nil ) {
    decisionNumber = <dfa.decisionNumber>;
    eot = dfa<dfa.decisionNumber>_eot;
    eof = dfa<dfa.decisionNumber>_eof;
    min = dfa<dfa.decisionNumber>_min;
    max = dfa<dfa.decisionNumber>_max;
    accept = dfa<dfa.decisionNumber>_accept;
    special = dfa<dfa.decisionNumber>_special;
    transition = dfa<dfa.decisionNumber>_transition;
  }
  return self;
}

<if(dfa.specialStateSTs)>
/* start dfa.specialStateSTs */
- (NSInteger) specialStateTransition:(NSInteger)s Stream:(id<IntStream\>)anInput
{
  <if(LEXER)>
  id<IntStream\> input = anInput;<\n>
<endif>
  <if(PARSER)>
  id<TokenStream\> input = (id<TokenStream\>)anInput;<\n>
<endif>
  <if(TREE_PARSER)>
  id<TreeNodeStream\> input = (id<TreeNodeStream\>)anInput;<\n>
<endif>
  switch (s) {
    <dfa.specialStateSTs:{ state |
      case <i0> : ;<! compressed special state numbers 0..n-1 !>
        <state> };
    separator="\n">
  }
  <if(backtracking)>
  if ( [recognizer getBacktrackingLevel] > 0 ) { [recognizer setFailed:YES]; return -1; }<\n>
<endif>

```

```

    NoViableAltException *nvae = [NoViableAltException newException:<dfa.decisionNumber> state:s
stream:recognizer.input];
    // nvae.c = s;
    /* [self error:nvae]; */ <! for debugger - do later !>
    @throw nvae;
}<\n>
/* end dfa.specialStateSTs */
<endif>

- (void) dealloc
{
    //free(transition);
    [super dealloc];
}

- (NSString *) description
{
    return @"<dfa.description>";
}

<@errorMethod()>

@end /* end DFA<dfa.decisionNumber> implementation */<\n>
#pragma mark Cyclic DFA implementation end DFA<dfa.decisionNumber>
<\n>
>>
/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFASState(decisionNumber, stateNumber, edges, needErrorClause, semPredState) ::= <<
/* cyclicDFASState */
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:1];<\n>
<if(semPredState)>
    <! get next lookahead symbol to test edges, then rewind !>
    NSInteger index<decisionNumber>_<stateNumber> = input.index;
    [input rewind];<\n>
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
[input seek:index<decisionNumber>_<stateNumber>];<\n>
<endif>
if ( s >= 0 )
    return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what

```

```

* state to jump to next if successful.
*/
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
/* cyclicDFAEdge */
if (<labelExpr><if(predicates)> && (<predicates><endif>) { s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
* always jump to the target.
*/
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n> /* eotDFAEdge */
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands)
::= "<operands; separator=\\\"\\\">"

notPredicate(pred) ::= "!(<evalPredicate(pred, {})>)"

evalPredicate(pred,description) ::= "<pred>"

/*
* evalSynPredicate(pred,description) ::= "<pred>()"
*
* synpreds are broken in cyclic DFA special states
* Damn! For now, work around with using the selectors directly, and by providing a trampoline evalSynPred
method in
* DFA
*/
/* evalSynPredicate(pred,description) ::= "[self evaluateSyntacticPredicate:<pred>Selector stream:input]" */
evalSynPredicate(pred,description) ::= "[self evaluateSyntacticPredicate:@selector(<pred>_fragment)]"
/* evalSynPredicate(pred,description) ::= "[recognizer <pred>]" */

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
* somewhere. Must ask for the lookahead directly.
*/
isolatedLookaheadTest(atom,k,atomAsInt) ::= "[input LA:<k>] == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt)
::= <%
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
%>

```

```

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "([input LA:<k>] >=
<lower>) && ([input LA:<k>] \<= <upper>))"

setTest(ranges) ::= <%
<ranges; separator="|" ">
%>

// A T T R I B U T E S

memVars(scope) ::= <% <scope.attributes:{a|<a.type> <a.name>;<\n>}; separator="\n"> %>

properties(scope) ::= <%
<scope.attributes:{a|@property (assign, getter=get<a.name>, setter=set<a.name>:) <a.type> <a.name>;<\n>};
separator="\n">
%>

methodsDecl(scope) ::= <%
<scope.attributes:{a|- (<a.type>)get<a.name>;<\n>- (void)set<a.name>:(<a.type>)aVal;<\n>}; separator="\n">
%>

synthesize(scope) ::= <% <scope.attributes:{a|@synthesize <a.name>;}; separator="\n"> %>

methods(scope) ::= <%
<scope.attributes:{a|
- (<a.type>)get<a.name> { return( <a.name> ); }\<\n>
- (void)set<a.name>:(<a.type>)aVal
{ <a.name> = aVal; }\<\n>}; separator="\n">
%>

globalAttributeScopeInterface(scope) ::= <%
/* globalAttributeScopeInterface */<\n>
@interface <scope.name>_Scope : SymbolsScope {<\n>
<if(scope.attributes)>
<memVars(scope)>
<endif>
}<\n>
<if(scope.attributes)>
/* start of globalAttributeScopeInterface properties */<\n>
<properties(scope)>
/* end globalAttributeScopeInterface properties */<\n>
<endif>

+ (<scope.name>_Scope *)new<scope.name>_Scope;<\n>
- (id) init;<\n>
<if(scope.attributes)>
/* start of globalAttributeScopeInterface methodsDecl */<\n>
<methodsDecl(scope)>

```

```

/* End of globalAttributeScopeInterface methodsDecl */<\n>
<endif>
@end /* end of <scope.name>_Scope interface */<\n>
%>

globalAttributeScopeMemVar(scope) ::= <%
/* globalAttributeScopeMemVar */<\n>
SymbolStack *<scope.name>_stack;<\n>
<scope.name>_Scope *<scope.name>_scope;<\n>
%>

globalAttributeScopeImplementation(scope) ::= <%
@implementation <scope.name>_Scope
/* globalAttributeScopeImplementation */<\n>
<if(scope.attributes)>
/* start of synthesize -- OBJC-Line 1750 */<\n>
<synthesize(scope)><\n>
<endif>
<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope<\n>
{<\n>
return [[<scope.name>_Scope alloc] init];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
self = [super init];<\n>
return self;<\n>
}<\n>
<\n>
<if(scope.attributes)>
/* start of iterate get and set functions */<\n>
<methods(scope)><\n>
/* End of iterate get and set functions */<\n>
<endif>
@end /* end of <scope.name>_Scope implementation */<\n><\n>
%>

globalAttributeScopeInit(scope) ::= <<
/* globalAttributeScopeInit */<\n>
<scope.name>_scope = [<scope.name>_Scope new<scope.name>_Scope];<\n>
<scope.name>_stack = [SymbolStack newSymbolStackWithLen:30];<\n>
>>

globalAttributeScopeDealloc(scope) ::= <% [<scope.name>_stack release];<\n> %>

globalAttributeScope(scope) ::= <%
<if(scope.name)>

```

```

static <scope.name>_stack;<\n>
<endif>
%>

ruleAttributeScopeMemVar(scope)
::= <%
/* ObjC ruleAttributeScopeMemVar */<\n>
<if(scope.attributes)>
<scope.name>_Scope *<scope.name>_scope; /* ObjC ruleAttributeScopeMemVar */<\n>
<endif>
%>

ruleAttributeScopeInterface(scope) ::= <%
<if(scope.attributes)>
/* start of ruleAttributeScopeInterface */<\n>
@interface <scope.name>_Scope : SymbolsScope {<\n>
    <memVars(scope)><\n>
}<\n>
<\n>
/* start property declarations */<\n>
<properties(scope)><\n>
/* start method declarations */<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope;<\n>
- (id) init;<\n>
<methodsDecl(scope)><\n>
@end /* end of ruleAttributeScopeInterface */<\n><\n>
<endif>
%>

ruleAttributeScopeImplementation(scope) ::= <%
<if(scope.attributes)>
@implementation <scope.name>_Scope /* start of ruleAttributeScopeImplementation */<\n>
<synthesize(scope)><\n>
<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope<\n>
{<\n>
    return [[<scope.name>_Scope alloc] init];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
    self = [super init];<\n>
    return self;<\n>
}<\n>
<\n>
/* start of <scope.name>_Scope get and set functions */<\n>
<methods(scope)><\n>
/* End of <scope.name>_Scope get and set functions */<\n>

```

```

@end /* end of ruleAttributeScopeImplementation */<\n><\n>
<endif>
%>

ruleAttributeScopeInit(scope) ::= <%
/* ruleAttributeScopeInit */<\n>
<scope.name>_scope = [<scope.name>_Scope new<scope.name>_Scope];<\n>
<scope.name>_stack = [SymbolStack newSymbolStackWithLen:30];<\n>
%>

ruleAttributeScopeDealloc(scope) ::= <% [<scope.name>_Scope release];<\n> %>

ruleAttributeScope(scope) ::= <%
<if(scope.attributes)>
/* ruleAttributeScope */<\n>
static SymbolStack *<scope.name>_stack;<\n>
static <scope.name>_Scope *<scope.name>_scope;
<endif>
%>

ruleAttributeScopeDecl(scope) ::= <%
/* ruleAttributeScopeDecl */<\n>
<if(scope.attributes)>
<scope.name>_Scope *<scope.name>_scope;<\n>
<endif>
%>

returnStructName(r) ::= "<className()>_<r.name>_return"

returnType()
::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor:returnStructName()> *
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
void
<endif>
%>

/** Generate the Objective-C type associated with a single or multiple return
* values.

```

```

*/
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<className()>_<referencedRule.name>_return *<else>
<if(referencedRule.hasSingleReturnValue)><referencedRule.singleValueType><else>
void<endif>
<endif>
%>

delegateName(d) ::= <% <if(d.label)><d.label><else>g<d.name><endif> %>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <% <objcTypeInitMap.(typeName)> %>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(referencedRule=label.referencedRule)>
<label.label.text> = <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScopeInterface(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
/* returnScopeInterface <ruleDescriptor:returnStructName()> */
@interface <ruleDescriptor:returnStructName()> :
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope { /* returnScopeInterface line 1838 */
<@memVars()> /* ObjC start of memVars() */<\n>
<if(scope.attributes)>
<memVars(scope)><\n>
<endif>
}
/* start property declarations */
<@properties()><\n>
<if(scope.attributes)>
<properties(scope)><\n>
<endif>
/* start of method declarations */<\n>
+ (<ruleDescriptor:returnStructName()> *)new<ruleDescriptor:returnStructName()>;
/* this is start of set and get methods */
<@methodsDecl()>
/* methodsDecl */<\n>
<if(scope.attributes)>
/* start of iterated get and set functions */<\n>

```



```

<methodsDecl(scope)><\n>
<endif>
@end /* end of returnScopeInterface interface */<\n>
<endif>
>>

returnScopeImplementation(scope) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
@implementation <ruleDescriptor:returnStructName()> /* returnScopeImplementation */<\n>
<@synthesize()> /* start of synthesize -- OBJC-Line 1837 */<\n>
<if(scope.attributes)>
  <synthesize(scope)><\n>
<endif>
+ (<ruleDescriptor:returnStructName()> *)new<ruleDescriptor:returnStructName()><\n>
{<\n>
  return [[[<ruleDescriptor:returnStructName()> alloc] init] retain];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
  self = [super init];<\n>
  return self;<\n>
}<\n>
<\n>
<@methods()><\n>
<if(scope.attributes)>
/* start of iterate get and set functions */<\n>
<methods(scope)><\n>
/* End of iterate get and set functions */<\n>
<endif>
<actions.(actionScope).ruleReturnMethods>
<@ruleReturnMembers()><\n>
@end
/* end of returnScope implementation */<\n><\n>
<endif>
%>

parameterScope(scope) ::= <<
<! <scope.attributes:{ it | :(<it.type>)<it.name> }; separator=" "> !>
<first(scope.attributes):{ a | :(<a.type>)<a.name> }> <rest(scope.attributes):{ a | arg<i>:(<a.type>)<a.name> };
separator=" ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> = <expr>";

/** Note that the scopeAttributeRef does not have access to the
* grammar name directly

```

```

*/
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
(((<scope>_Scope *)[<scope>_stack objectAtIndex:[<scope>_stack size]-<negIndex>-1])).<attr.name>
<else>
<if(index)>
((<scope>_Scope *)[<scope>_stack objectAtIndex:<index>]).<attr.name>
<else>
((<scope>_Scope *)[<scope>_stack peek]).<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
/* scopeSetAttributeRef */
<if(negIndex)>
((<scope>_Scope
*)[<scope>_stack objectAtIndex:([<scope>_stack size]-<negIndex>-1])).<attr.name> = <expr>;
<else>
<if(index)>
((<scope>_Scope *)[<scope>_stack objectAtIndex:<index>]).<attr.name> = <expr>;
<else>
((<scope>_Scope *)[<scope>_stack peek]).<attr.name> = <expr>;
<endif>
<endif>
%>

scopeAttributeRefStack() ::= <<
/* scopeAttributeRefStack */
<if(negIndex)>
((<scope>_Scope *)[<scope>_stack objectAtIndex:[<scope>_stack count]-<negIndex>-1]).<attr.name> = <expr>;
<else>
<if(index)>
((<scope>_Scope *)[<scope>_stack objectAtIndex:<index>]).<attr.name> = <expr>;
<else>
((<scope>_Scope *)[<scope>_stack peek]).<attr.name> = <expr>;
<endif>
<endif>
>>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single

```

```

return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=nil?<scope>.<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> /* added to returnAttributeRef */<\n>
<else>
<attr.name><\n>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>; /* added to returnSetAttributeRef */<\n>
<else>
<attr.name> = <expr>;<\n>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

/* not sure the next are the right approach; and they are evaluated early; */
/* they cannot see TREE_PARSER or PARSER attributes for example. :( */

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>!=nil?<scope>.text:nil)"
tokenLabelPropertyRef_type(scope,attr)
::= "<scope>!=nil?<scope>.type:0)"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=nil?<scope>.line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=nil?<scope>.charPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=nil?<scope>.channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=nil?[<scope> getTokenIndex]:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=nil?[<scope>.text integerValue]:0)"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=nil?((<labelType> *)<scope>.start):nil)"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=nil?((<labelType> *)<scope>.stopToken):nil)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>!=nil?((<ASTLabelType> *)<scope>.tree):nil)"

```

```

ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
(<scope>!=nil?[[input getTokenStream] toStringFromStart:[[input getTreeAdaptor]
getTokenStartIndex:<scope> getStart]]
ToEnd:[[input getTreeAdaptor] getTokenStopIndex:<scope> getStart]]]:0)
<else>
(<scope>!=nil?([input toStringFromToken:<scope> getStart] ToToken:<scope> getStop]):0)
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=nil?[<scope> st]:nil"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>!=nil?<scope>.type:0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>!=nil?<scope>.line:0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>!=nil?<scope>.charPositionInLine:-1)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>!=nil?<scope>.channel:0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>!=nil?[<scope> getTokenIndex]:0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>!=nil?<scope>.text:nil)"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "<scope>!=nil?[<scope>.text
integerValue]:0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "((<labelType> *)retval.start)"
rulePropertyRef_stop(scope,attr) ::= "((<labelType> *)retval.stopToken)"
rulePropertyRef_tree(scope,attr) ::= "((<ASTLabelType> *)retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
[[input getTokenStream] toStringFromStart:[[input getTreeAdaptor]
getTokenStartIndex:retval.start.token.startIndex]
ToEnd:[[input getTreeAdaptor] getTokenStopIndex:retval.start.token.stopIndex]]
<else>
[input toStringFromToken:retval.start ToToken:[input LT:-1]]
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

/* hideous: find a way to cut down on the number of templates to support read/write access */
/* TODO: also, which ones are valid to write to? ask Ter */
lexerRuleSetPropertyRef_text(scope,attr,expr) ::= "state.text = <expr>;"
lexerRuleSetPropertyRef_type(scope,attr,expr)
::= "_type"
lexerRuleSetPropertyRef_line(scope,attr,expr) ::= "state.tokenStartLine"
lexerRuleSetPropertyRef_pos(scope,attr,expr) ::= "state.tokenStartCharPositionInLine"
lexerRuleSetPropertyRef_index(scope,attr,expr) ::= "-1" /* undefined token index in lexer */
lexerRuleSetPropertyRef_channel(scope,attr,expr) ::= "state.channel=<expr>;"
lexerRuleSetPropertyRef_start(scope,attr,expr) ::= "state.tokenStartCharIndex"

```

```

lexerRuleSetPropertyRef_stop(scope,attr,expr) ::= "(input.index-1)"

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "state.type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr)
::= "(input.index-1)"
lexerRulePropertyRef_int(scope,attr) ::= "[<scope>.text integerValue]"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.start =<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"; /* "<\n>#error StringTemplates are
unsupported<\n>" */

/** How to execute an action */
execAction(action) ::= <<
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {
    <action>
}
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
static ANTLRBitSet *<name>;
static const unsigned long long <name>_data[] = { <words64:{it | <it>LL};separator=", ">><\n>
>>

bitsetInit(name, words64) ::= <<
<name> = [[ANTLRBitSet newBitSetWithBits:(const unsigned long long *)<name>_data
Count:(NSUInteger)<length(words64)>]
retain];<\n>
>>

```

```
codeFileExtension() ::= ".m"
```

```
true_value() ::= "YES"
```

```
false_value() ::= "NO"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/ObjC/ObjC.stg
```

```
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
* [The "BSD license"]
```

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```

```
* All rights reserved.
```

```
*
```

```
* Conversion to C#:
```

```
* Copyright (c) 2011 Sam Harwell, Pixel Mine, Inc.
```

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```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
<if(!TREE_PARSER)>
```

```
<! tree parser would already have imported !>
```

```
using Antlr.Runtime.Tree;
```

```

using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
>>

@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>

parserCtorBody()
::= <<
<super.parserCtorBody()>
<treeAdaptorType()> treeAdaptor = default(<treeAdaptorType()>);
CreateTreeAdaptor(ref treeAdaptor);
TreeAdaptor = treeAdaptor<if(!actions.(actionScope).treeAdaptorType)> ?? new CommonTreeAdaptor()<endif>;
>>

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
// Implement this function in your helper file to use a custom tree adaptor
partial void CreateTreeAdaptor(ref <treeAdaptorType()> adaptor);

private <treeAdaptorType()> adaptor;

public <treeAdaptorType()> TreeAdaptor
{
    get
    {
        return adaptor;
    }

    set
    {
        this.adaptor = value;
        <grammar.directDelegates:{g|<g.delegateName()>.TreeAdaptor = this.adaptor;}>
    }
}
>>

treeAdaptorType() ::= <<
<actions.(actionScope).treeAdaptorType; null="ITreeAdaptor">
>>

ruleReturnBaseType() ::= <%
Ast<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<ASTLabelType>, <labelType>>
%>

/** Add a variable to track rule's

```

```

return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = default(<ASTLabelType>);<\n>
>>

ruleLabelDefs(ruleDescriptor, labelType, ASTLabelType, rewriteElementType) ::= <%
<super.ruleLabelDefs(...)>
<if(!ruleDescriptor.isSynPred)>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|<\n><ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}>
<ruleDescriptor.tokenListLabels: {it|<\n><ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}>
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it|<\n>RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}>
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it|<\n>RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");}>
<endif>
%>

/** When doing auto AST construction, we must define some variables;
* These should be turned
* off if doing rewrites. This must be a "mode"
* as a rule could have both rewrite and AST within the same alternative
* block.
*/
@alt.declarations() ::= <<
<if(autoAST && outerAlt && !rewriteMode && !ruleDescriptor.isSynPred)>
root_0 = (<ASTLabelType>)adaptor.Nil();
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
* to the tracking list stream_ID for use in the rewrite.
*/
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```



```

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions)
 ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.Add(<label>.Tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)
 <endif>stream_<rule>.Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,

```

```

referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::= <<
<\n>{
// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels];
separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
<endif>
<prevRuleRootRef().Tree = root_0;
<rewriteCodeLabels()>
root_0 = (<ASTLabelType>)adaptor.Nil();
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER&&rewriteMode)>
<prevRuleRootRef().Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
if (<prevRuleRootRef().Tree != null)
input.ReplaceChildren(adaptor.GetParent(retval.Start), adaptor.GetChildIndex(retval.Start),
adaptor.GetChildIndex(_last), retval.Tree);
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER||!rewriteMode)>
<prevRuleRootRef().Tree = root_0;
<endif>
<if(backtracking)>
}
<endif>
}
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedTokenListLabels
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedWildcardLabels

```

```

: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>);};
separator="\n"
>
<referencedWildcardListLabels
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>);};
separator="\n"
>
<referencedRuleLabels
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.Tree:null);};
separator="\n"
>
<referencedRuleListLabels
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it>",<it>);};
separator="\n"
>
>>

```

```

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */

```

```

rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep,
// all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep: {el | stream_<el>.HasNext}; separator="||">)
{
<alt>
}
<referencedElementsDeep: {el | stream_<el>.Reset();<n>}>
>>

```

```

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
while ( <referencedElements: {el | stream_<el>.HasNext}; separator="||"> )
{
<alt>
}
<referencedElements: {el | stream_<el>.Reset();<n>}>

```

```

>>

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.HasNext}; separator="||">))
{
  throw new RewriteEarlyExitException();
}
while
( <referencedElements:{el | stream_<el>.HasNext}; separator="||"> )
{
  <alt>
}
<referencedElements:{el | stream_<el>.Reset();<\n>}>
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>)
{
  <a.alt>
}
<else>
{
  <a.alt>
}
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
  <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
  <root:rewriteElement()>
  <children:rewriteElement()>
  adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

```

```

rewriteElement(e) ::= <%
<@pregen()>
DebugLocation(<e.line>, <e.pos>);<\n>
<e.el>
%>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
adaptor.AddChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/**
Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>,
<createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createImaginaryNode(tokenType=token, ...)>,
root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */

```

```

rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
 * let's us refer to $rule to mean previous value. I am reusing the
 * variable 'tree' sitting in retval struct to hold the value of root_0 right
 * before I set it during rewrites. The assign will be to retval.tree.
 */
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<rule>.NextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<rule>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
adaptor.AddChild(root_<treeLevel>,
<action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

```

```

rewriteWildcardLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args)
::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node><(tokenType)<if(args)>, <args; separator=", "><endif>
<else>
(<ASTLabelType>)adaptor.Create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>
<endif>
%>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <%
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.NextToken()<if(args)>, <args; separator=", "><endif>
<else>
<if(args)> <! must create new node from old !>
adaptor.Create(<token>, <args; separator=", ">)
<else>
stream_<token>.NextNode()
<endif>
<endif>
%>

```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/AST.stg
```

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*/
/** Template subgroup to add template rewrite output
* If debugging, then you'll also get STDbg.stg loaded.
*/

```

```

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr3.ST;
using Antlr3.ST.Language;
>>

```

```

@genericParser.members() ::= <<
<@super.members()>
private StringTemplateGroup _templateGroup
= new StringTemplateGroup("<name>Templates", typeof(AngleBracketTemplateLexer) );

```

```

public StringTemplateGroup TemplateGroup
{
get { return _templateGroup; }
set { _templateGroup = value; }
}
>>

```

```

ruleReturnBaseType() ::= <%
Template<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<StringTemplate, <labelType>>
%>

```

```

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Template},elemType="StringTemplate",...)>
>>

```

```

rewriteTemplate(alts) ::= <<

```



```

// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>)
{
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
((TokenRewriteStream)input.TokenStream).Replace(
input.TreeAdaptor.GetTokenStartIndex(retval.Start),
input.TreeAdaptor.GetTokenStopIndex(retval.Start),
retval.Template);
<else>
((TokenRewriteStream)input).Replace(
retval.Start.TokenIndex,
input.LT(-1).TokenIndex,
retval.Template);
<endif>
>>

rewriteTemplateAlt(it)
::= <<
// <it.description>
<if(it.pred)>
if (<it.pred>)
{
retval.Template = <it.alt>;
}<\n>
<else>
{
retval.Template = <it.alt>;
}<\n>
<endif>
>>

rewriteEmptyTemplate(alts) ::= <<
null;
>>

/** Invoke a template with a set of attribute name/value pairs.

```

```

* Set the value of the rule's template after having set
* the attributes because the rule's template might be used as
* an attribute to build a bigger template; you get a self-embedded
* template.
*/
rewriteExternalTemplate(name,args) ::= <%
TemplateGroup.GetInstanceOf("<name>"<optionalArguments(args)>)
%>

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
TemplateGroup.GetInstanceOf(<expr><optionalArguments(args)>)
%>

/**
Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
new StringTemplate(TemplateGroup, "<template>"<optionalArguments(args)>)
%>

optionalArguments(args) ::= <<
<if(args)>,
new Dictionary<string, object>() { <args:optionalArgument(); separator=", "> }
<endif>
>>

optionalArgument(it) ::= <<
{"<it.name>", <it.value>}
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>).SetAttribute("<attrName>",<expr>);
>>

/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
new StringTemplate(TemplateGroup,<stringExpr>)
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/ST.stg

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 */
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/tool/GrammarDanglingStateMessage.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/Interval.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/tool/GrammarUnreachableAltsMessage.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/ToolMessage.java
*
 /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarReport.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/CompositeGrammarTree.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/NFAFactory.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/LookaheadSet.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarSerializerFoo.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/IntArrayList.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/CTarget.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/MultiMap.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
```

```

jar/org/antlr/analysis/AnalysisRecursionOverflowException.java
*
/opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/Perl5Target.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/Utils.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/BitSet.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/SemanticContext.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Attribute.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/JavaTarget.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/ACyclicDFACodeGenerator.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/analysis/AnalysisTimeoutException.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/tool/NonRegularDecisionMessage.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/tool/RecursionOverflowMessage.java
*
/opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/DFA.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/RandomPhrase.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/PythonTarget.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Message.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/LL1DFA.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NFA.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/DFASState.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NFAConfiguration.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/OrderedHashSet.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/ErrorMessage.java
*
/opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/LL1Analyzer.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/tool/GrammarSemanticsMessage.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/RuleLabelScope.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/Python3Target.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/analysis/NFAConversionThread.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/MachineProbe.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/Target.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarSyntaxMessage.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Rule.java
*
/opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarAST.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/MutableInteger.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarSanity.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/IntSet.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/CompositeGrammar.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Strip.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/FASerializer.java
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarReport2.java

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/ActionLabel.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Interpreter.java
 *
 /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarInsufficientPredicatesMessage.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/Graph.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/DecisionProbe.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarSpelunker.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/RuleClosureTransition.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/StateCluster.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/LeftRecursionCyclesMessage.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Grammar.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/DOTGenerator.java
 *
 /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/ANTLRErrorListener.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/State.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NFAToDFAConverter.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/NameSpaceChecker.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarAnalysisAbortedMessage.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/Transition.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/IntervalSet.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/PredicateLabel.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/ActionScriptTarget.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/CSharp2Target.java
 *
 /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/DFAOptimizer.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NonLLStarDecisionException.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/misc/Barrier.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/GrammarNonDeterminismMessage.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/AssignTokenTypesBehavior.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/JavaScriptTarget.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/Interp.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/DelphiTarget.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/Label.java
 *
 /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/Tool.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NFAContext.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/AttributeScope.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/analysis/NFAState.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/CppTarget.java
 * /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-

jar/org/antlr/tool/BuildDependencyGenerator.java

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*

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*/

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/CSharp3Target.java

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*/

/** The API version of the runtime that recognizers generated by this runtime

* need.

*/

apiVersion() ::= "1"

/** The overall file structure of a recognizer; stores methods for rules

* and cyclic DFAs plus support code.

*/

outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=

<<

\$ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>

import sys

from antlr3 import *

<if(TREE_PARSER)>

from antlr3.tree import *<\n>

<endif>

<@end>

<actions.(actionScope).header>

```

<! <docComment> !>

# for convenience in actions
HIDDEN = BaseRecognizer.HIDDEN

# token types
<tokens:{it | <it.name>=<it.type>}; separator="\n">

# token names
tokenNamesMap = {
  0: "\<invalid>", 1: "\<EOR>", 2: "\<DOWN>", 3: "\<UP>",
  <tokens:{it | <it.type>: "<it.name>"}; wrap, separator=", ">
}
Token.registerTokenNamesMap(tokenNamesMap)

<recognizer>

<if(actions.(actionScope).main)>
<actions.(actionScope).main>
<else>
def main(argv, stdin=sys.stdin, stdout=sys.stdout, stderr=sys.stderr):
<if(LEXER)>
  from antlr3.main import LexerMain
  main = LexerMain(<recognizer.name>)<\n>
<endif>
<if(PARSER)>
  from antlr3.main import ParserMain
  main = ParserMain("<recognizer.grammar.name>Lexer", <recognizer.name>)<\n>
<endif>
<if(TREE_PARSER)>
  from antlr3.main import WalkerMain
  main = WalkerMain(<recognizer.name>)<\n>
<endif>
  main.stdin = stdin
  main.stdout = stdout
  main.stderr = stderr
  main.execute(argv)<\n>
<endif>

<actions.(actionScope).footer>

if __name__ == '__main__':
  main(sys.argv)

>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode,

```



```

    labelType="CommonToken", superClass="Lexer") ::= <<
<if(grammar.directDelegates)>
# path hack to allow absolute import of related grammars.
from os.path import dirname
__path__ = [dirname(__file__)]
del dirname

<grammar.directDelegates:
{g|from .<g.recognizerName> import <g.recognizerName>; separator="\n">
<endif>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
    <scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>>

    grammarFileName = "<fileName>"
    api_version = <apiVersion()>

    def __init__(self<grammar.delegates: {g|, <g:delegateName()>>, input=None, state=None):
        if state is None:
            state = RecognizerSharedState()
            super().__init__(input, state)

<if(memoize)>
<if(grammar.grammarIsRoot)>
    self._state.ruleMemo = {}
<endif>
<endif>

    <grammar.directDelegates:
    {g|self.<g:delegateName()> = <g.recognizerName>(<trunc(g.delegates): {p|<p:delegateName()>, }>self, input,
state)); separator="\n">
    <grammar.directDelegates:
    {g|<g.delegates: {h|self.<h:delegateName()> = self.<g:delegateName()>.<h:delegateName()>};
separator="\n">}; separator="\n">
    <grammar.delegates:
    {g|self.<g:delegateName()> = <g:delegateName()>}; separator="\n">
    <last(grammar.delegates):
    {g|self.gParent = <g:delegateName()>}; separator="\n">
    self.delegates = [<grammar.delegates:
    {g|self.<g:delegateName()>}; separator = ", ">]

    <cyclicDFAs: {dfa | <cyclicDFAInit(dfa)>}; separator="\n">

    <actions.lexer.init>

    <actions.lexer.members>

```

```

<if(filterMode)>
  <filteringNextToken()>
<endif>
  <rules; separator="\n\n">

  <synpreds:{p | <lexerSynpred(p)>}>

  <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
def nextToken(self):
  while True:
    if self.input.LA(1) == EOF:
      return self.makeEOFToken()

    self._state.token = None
    self._state.channel = DEFAULT_CHANNEL
    self._state.tokenStartCharIndex
= self.input.index()
    self._state.tokenStartCharPositionInLine = self.input.charPositionInLine
    self._state.tokenStartLine = self.input.line
    self._state._text = None
    try:
      m = self.input.mark()
      try:
        # means we won't throw slow exception
        self._state.backtracking = 1
        try:
          self.mTokens()
        finally:
          self._state.backtracking = 0

    except BacktrackingFailed:
      # mTokens backtracks with synpred at backtracking==2
      # and we set the synpredgate to allow actions at level 1.
      self.input.rewind(m)
      self.input.consume() # advance one char and try again

```

```

    else:
        self.emit()
        return self._state.token

except RecognitionException as re:
    # shouldn't happen in backtracking mode, but...

self.reportError(re)
self.recover(re)

def memoize(self, input, ruleIndex, ruleStartIndex, success):
    if self._state.backtracking > 1:
        # is Lexer always superclass?
        super().memoize(input, ruleIndex, ruleStartIndex, success)

def alreadyParsedRule(self, input, ruleIndex):
    if self._state.backtracking > 1:
        return super().alreadyParsedRule(input, ruleIndex)
    return False

>>

actionGate() ::= "self._state.backtracking == 0"

filteringActionGate() ::= "self._state.backtracking == 1"

/** How to generate a parser */

genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
              bitsets, inputStreamType, superClass, labelType, members,
              rewriteElementType, filterMode, init, ASTLabelType="Object") ::= <<
# token names
tokenNames = [
    "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>",
    <tokenNames; wrap, separator=", ">
]

<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScopeClass(scope=it)><endif>}>

<if(grammar.directDelegates)>
#
    path hack to allow absolute import of related grammars.
    from os.path import dirname
    __path__ = [dirname(__file__)]
    del dirname

```

```

<grammar.directDelegates:
{g|from <g.recognizerName> import <g.recognizerName>; separator="\n">
<endif>

<rules:{it|<ruleAttributeScopeClass(scope=it.ruleDescriptor.ruleScope)>}>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
    grammarFileName = "<fileName>"
    api_version = <apiVersion()>
    tokenNames = tokenNames

    def __init__(self<grammar.delegators:{g|, <g.delegateName()>}>, input, state=None, *args, **kwargs):
        if state is None:
            state = RecognizerSharedState()

        <@args()>
        super().__init__(input, state, *args, **kwargs)

<if(memoize)>
<if(grammar.grammarIsRoot)>
    self._state.ruleMemo = {}
<endif>
<endif>

    <cyclicDFAs:{dfa | <cyclicDFAInit(dfa)>}; separator="\n">

<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeStack(scope=it)><endif>}>
    <rules:{it | <ruleAttributeScopeStack(scope=it.ruleDescriptor.ruleScope)>}>

    <init>

    <grammar.delegators:
    {g|self.<g.delegateName()> = <g.delegateName()>; separator="\n">
    <grammar.directDelegates:
    {g|self.<g.delegateName()> = <g.recognizerName>(<trunc(g.delegators):{p|<p.delegateName()>, }>self, input,
state)); separator="\n">
    <grammar.directDelegates:
    {g|<g.delegates:{h|self.<h.delegateName()> = self.<g.delegateName()>.<h.delegateName()>};
separator="\n">}; separator="\n">
    <last(grammar.delegators):
    {g|self.gParent = self.<g.delegateName()>; separator="\n">
    self.delegates = [<grammar.delegators: {g|self.<g.delegateName()>}; separator = ", ">]

    <@init><@end>

```

```

<@members><@end>

<members>

<rules; separator="\n\n">

<! generate rule/method definitions for imported
rules so they
  appear to be defined in this recognizer. !>
<grammar.delegatedRules:{ruleDescriptor| <delegateRule(ruleDescriptor)> }; separator="\n">

<synpreds:{p | <synpred(p)>>}>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

<bitsets:{it | FOLLOW_<it.name>_in_<it.inName><it.tokenIndex> = frozenset([<it.tokenTypes:{it |
<it>};separator=", ">])<n>>}>

>>

delegateRule(ruleDescriptor) ::= <<
def <ruleDescriptor.name>(self, <ruleDescriptor.parameterScope:parameterScope>):
<\> <if(ruleDescriptor.hasReturnValue)>return
<endif>self.<ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name><(if(ruleDescriptor.parameterScope)
><ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", "><endif>)

>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
  ASTLabelType="Object", superClass="Parser", labelType="Token",
  members={<actions.parser.members>},
  init={<actions.parser.init>}
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
  bitsets, "TokenStream", superClass,
  labelType, members, "Token",
  false, init, ASTLabelType)>

>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.
*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
  numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
members={<actions.treeparser.members>},
init={<actions.treeparser.init>}

```

```

) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, "TreeNodeStream", superClass,
    labelType, members, "Node",
    filterMode, init, ASTLabelType)>
>>

/** A simpler version
of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
# $ANTLR start "<ruleName>"
def <ruleName>_fragment(self, <ruleDescriptor.parameterScope:parameterScope(>):
    <ruleLabelDefs(>
<if(trace)>
    self.traceIn("<ruleName>_fragment", <ruleDescriptor.index>)
    try:
        <block>

    finally:
        self.traceOut("<ruleName>_fragment", <ruleDescriptor.index>)

<else>
    <block>
<endif>
# $ANTLR end "<ruleName>"

>>

synpred(name) ::= <<
def <name>(self):
    self._state.backtracking += 1
    <@start(>
    start = self.input.mark()
    try:
        self.<name>_fragment()
    except BacktrackingFailed:
        success = False
    else:
        success = True
    self.input.rewind(start)

```

```

    <@stop()>
    self._state.backtracking -= 1
    return success

>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if self._state.backtracking > 0 and self.alreadyParsedRule(self.input, <ruleDescriptor.index>):
    # for cached failed rules, alreadyParsedRule will raise an exception
    success = True
    return <ruleReturnValue()>

<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if self._state.backtracking > 0:
    raise BacktrackingFailed

<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<returnScope(scope=ruleDescriptor.returnScope)>

#
$ANTLR start "<ruleName>"
# <fileName>:<description>
<ruleDescriptor.actions.decorate>
def <ruleName>(self, <ruleDescriptor.parameterScope:parameterScope()>):
<if(trace)>
    self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
    <ruleScopeSetUp()>
    <ruleDeclarations()>
    <ruleLabelDefs()>
    <ruleDescriptor.actions.init>

```

```

<@preamble()>
<@body><ruleBody()><@end>
<@postamble()>
return <ruleReturnValue()>

# $ANTLR end "<ruleName>"
>>

ruleBody() ::= <<
<if(memoize)>
<if(backtracking)>
success = False<\n>
<endif>
<endif>
try:
  try:
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp()>
    <(ruleDescriptor.actions.after):execAction()>

<if(memoize)>
<if(backtracking)>
  success = True<\n>
<endif>
<endif>
<if(exceptions)>
  <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
  <actions.(actionScope).rulecatch>
<else>
  except RecognitionException as re:
    self.reportError(re)
    self.recover(self.input, re)
  <@setErrorReturnValue()>

<endif>
<else>
  finally:
    pass

<endif>
<endif>
finally:
<if(trace)>
  self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>

```



```

<endif>
  <memoize()>
  <ruleScopeCleanUp()>
  <finally>
  pass
>>

catch(decl,action) ::= <<
except <e.decl>:
  <e.action>

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval = self.<ruleDescriptor.name>_return()
retval.start = self.input.LT(1)<\n>
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.name> = <if(a.initValue)><a.initValue><else>None<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = self.input.index()
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it | self.<it>_stack.append(<it>_scope());
separator="\n">
<ruleDescriptor.ruleScope: { it | self.<it.name>_stack.append(<it.name>_scope()); separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { it | self.<it>_stack.pop(); separator="\n">
<ruleDescriptor.ruleScope: { it | self.<it.name>_stack.pop(); separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: { it | <it.label.text> = None }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,
ruleDescriptor.wildcardTreeListLabels]
: { it | list_<it.label.text> = None }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">

```

```
<ruleDescriptor.ruleListLabels:{it | <it.label.text> = None}; separator="\n">
>>
```

```
lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = None}; separator="\n"
>
<ruleDescriptor.charLabels:{it
| <it.label.text> = None}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | list_<it.label.text> = None}; separator="\n"
>
>>
```

```
ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>
```

```
ruleCleanup() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = self.input.LT(-1)<\n>
<endif>
<endif>
>>
```

```
memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if self._state.backtracking > 0:
self.memoize(self.input, <ruleDescriptor.index>, <ruleDescriptor.name>_startIndex, success)
<endif>
<endif>
>>
```

```
/** How to generate a rule in the lexer; naked blocks are used for
```

```

* fragment rules.
*/
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
# $ANTLR start "<ruleName>"
def
  m<ruleName>(self, <ruleDescriptor.parameterScope:parameterScope>):
<if(trace)>
  self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
<if(memoize)>
<if(backtracking)>
  success = False<\n>
<endif>
<endif>
  try:
<if(nakedBlock)>
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block><\n>
<else>
  _type = <ruleName>
  _channel = DEFAULT_CHANNEL

  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block>
  <ruleCleanUp()>
  self._state.type = _type
  self._state.channel = _channel
  <(ruleDescriptor.actions.after):execAction()>
<endif>
<if(memoize)>
<if(backtracking)>
  success = True<\n>
<endif>
<endif>

  finally:
<if(trace)>
  self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
  <ruleScopeCleanUp()>
  <memoize()>
  pass

```

```
# $ANTLR end "<ruleName>"
```

```
>>
```

```
/** How to generate code for the implicitly-defined lexer grammar rule
```

```
* that chooses between lexer rules.
```

```
*/
```

```
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
```

```
def mTokens(self):
```

```
    <block><\n>
```

```
>>
```

```
// S U B R U L E S
```

```
/** A (...) subrule with multiple alternatives */
```

```
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
```

```
# <fileName>:<description>
```

```
alt<decisionNumber> = <maxAlt>
```

```
<decls>
```

```
<@body><blockBody()><@end>
```

```
>>
```

```
blockBody() ::= <<
```

```
<@predecision()>
```

```
<@decision><decision><@end>
```

```
<@postdecision()>
```

```
<@prebranch()>
```

```
<alts:{ a | <altSwitchCase(i, a)> }; separator="\nel">
```

```
<@postbranch()>
```

```
>>
```

```
/** A rule block with multiple alternatives */
```

```
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
```

```
# <fileName>:<description>
```

```
alt<decisionNumber> =
```

```
    <maxAlt>
```

```
<decls>
```

```
<@predecision()>
```

```
<@decision><decision><@end>
```

```
<@postdecision()>
```

```
<alts:{ a | <altSwitchCase(i, a)> }; separator="\nel">
```

```
>>
```

```
ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
```

```

# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,descriptio
n) ::= <<
# <fileName>:<description>
cnt<decisionNumber> = 0
<decls>
<@preloop()>
<@loopBody>
<positiveClosureBlockLoop()>
<@end>
<@postloop()>
>>

positiveClosureBlockLoop() ::= <<
while True: #loop<decisionNumber>
  alt<decisionNumber> = <maxAlt>
  <@predecision()>
  <@decisionBody><decision><@end>
  <@postdecision()>
  <alts:{ a | <altSwitchCase(i, a)>} ; separator="\n"
  else:
    if cnt<decisionNumber> >= 1:
      break #loop<decisionNumber>

  <ruleBacktrackFailure()>
  eee = EarlyExitException(<decisionNumber>, self.input)
  <@earlyExitException()>
  raise eee

  cnt<decisionNumber> += 1
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (.)^{*} block with 1 or more alternatives */

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=

<<

<fileName>:<description>

<decls>

<@preloop()>

<@loopBody>

<closureBlockLoop()>

<@end>

<@postloop()>

>>

closureBlockLoop() ::= <<

while True: #loop<decisionNumber>

 alt<decisionNumber> = <maxAlt>

 <@predecision()>

 <@decisionBody><decision><@end>

 <@postdecision()>

 <alts:{ a | <altSwitchCase(i, a)>}; separator="\n" >

 else:

 break #loop<decisionNumber>

>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation

* so we can just use the normal block template

*/

optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative

* number. A DFA predicts the alternative and then a simple switch

* does the jump to the code that actually matches that alternative.

*/

altSwitchCase(altNum,alt) ::= <<

if alt<decisionNumber> == <altNum>:

 <@prealt()>

 <alt>

>>

/** An alternative is just a list of elements; at outermost level */

alt(elements,altNum,description,autoAST,outerAlt, treeLevel,rew) ::= <<

<fileName>:<description>

pass <! so empty alternatives are a valid block !>

```

<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel,
treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label> = <endif>self.match(self.input, <token>,
self.FOLLOW_<token>_in_<ruleName><elementIndex>)
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label, elem) ::= <<
if list_<label> is None:
    list_<label> = []
list_<label>.append(<elem>)<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.match(<char>)
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<

```

```

<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchRange(<a>, <b>)
>>

/** For now, sets are interval tests
and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
if <s>:
    self.input.consume()
    <postmatchCode>
<if(!LEXER)>
    self._state.errorRecovery = False<\n>
<endif>

else:
    <ruleBacktrackFailure()>
    mse = MismatchedSetException(None, self.input)
    <@mismatchedSetException()>
<if(LEXER)>
    self.recover(mse)
    raise mse
<else>
    raise mse
    <! use following code to make it recover inline; remove throw mse;
    self.recoverFromMismatchedSet(
        self.input, mse, self.FOLLOW_set_in_<ruleName><elementIndex>
    )
    !>
<endif>
<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
<label>Start = self.getCharIndex()

```



```

self.match(<string>)
<label>StartLine<elementIndex>
  = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(input=self.input, type=INVALID_TOKEN_TYPE, channel=DEFAULT_CHANNEL,
start=<label>Start, stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.match(<string>)
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
self.matchAny()
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<wildcard(...)>
<listLabel(label,label)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchAny()
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly
with arguments
* and a return value or values. The 'rule' argument was the
* target rule name, but now is type Rule, whose toString is
* same: the rule name. Now though you can access full rule
* descriptor stuff.
*/
ruleRef(rule,label,elementIndex,args,scope) ::= <<
self._state.following.append(self.FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
<if(label)><label> = <endif>self.<if(scope)><scope.delegateName()>.<endif><rule.name>(<args; separator="

```

```

"><\n>
self._state.following.pop()
>>

/** ids+=rule */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
self.<if(scope)><scope:delegateName().<endif>m<rule.name>(<args;
separator=", ">)
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(
input=self.input,
type=INVALID_TOKEN_TYPE,
channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>,
stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">)
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex>

```

```

= self.getCharPositionInLine()
self.match(EOF)
<label> = <labelType>(input=self.input, type=EOF, channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>, stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.match(EOF)
<endif>
>>

// used for left-recursive rules
recRuleDefArg()          ::= "<recRuleArg()>"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName, opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0 = $<ruleName>_primary.tree"
recRuleSetReturnAction(src, name)   ::= "$<name> = $<src>.<name>"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) == DOWN:
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if not (<evalPredicate(pred, description)>):
<ruleBacktrackFailure()>
raise FailedPredicateException(self.input, "<ruleName>", "<description>")

>>

// F i x e d D F A (if-then-else)

```

```

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
else:
<if(eotPredictsAlt)>
  alt<decisionNumber> = <eotPredictsAlt>
<else>
  <ruleBacktrackFailure()>
  nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
  <@noViableAltException()>
  raise nvae<\n>
<endif>
>>

/**
  Same as a normal DFA state except that we don't examine lookahead
  * for the bypass alternative. It delays error detection but this
  * is faster, smaller, and more what people expect. For (X)? people
  * expect "if ( LA(1)==X ) match(X);" and that's it.
  */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
>>

/** A DFA state that is actually the loopback decision of a closure
  * loop. If end-of-token (EOT) predicts any of the targets then it
  * should act like a default clause (i.e., no error can be generated).
  * This is used only in the lexer so that for ('a')* on the end of a rule
  * anything other than 'a' predicts exiting.
  */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>
= <eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>
else:
  alt<decisionNumber> = <eotPredictsAlt>
<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>"

```

```

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if (<labelExpr> <if(predicates)>and (<predicates><endif>:
    <targetState>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
<!
    FIXME: this is one of the few occasion, where I miss a switch statement
    in Python. ATM this
    is implemented as a list of if .. elif ..
    This may be replaced by faster a dictionary lookup, when I find a solution
    for the cases when an edge is not a plain dfaAcceptState.
!>
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
else:
<if(eotPredictsAlt)>
    alt<decisionNumber> = <eotPredictsAlt>
<else>
    <ruleBacktrackFailure()>
    nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
    <@noViableAltException()>
    raise nvae<\n>
<endif>

>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
<if(eotPredictsAlt)>
else:
    alt<decisionNumber> = <eotPredictsAlt>

```

```

<endif>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
if LA<decisionNumber>
in {<labels; separator=", ">}:
    <targetState>
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = self.dfa<decisionNumber>.predict(self.input)
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
# lookup tables for DFA #<dfa.decisionNumber>

DFA<dfa.decisionNumber>_eot = DFA.unpack(
    "<dfa.javaCompressedEOT; wrap=""\n
    \>"
    )

DFA<dfa.decisionNumber>_eof = DFA.unpack(
    "<dfa.javaCompressedEOF; wrap=""\n  \>"
    )

DFA<dfa.decisionNumber>_min = DFA.unpack(
    "<dfa.javaCompressedMin; wrap=""\n  \>"
    )

DFA<dfa.decisionNumber>_max = DFA.unpack(
    "<dfa.javaCompressedMax; wrap=""\n  \>"
    )

DFA<dfa.decisionNumber>_accept = DFA.unpack(

```

```

    "<dfa.javaCompressedAccept; wrap="\n  \n">"
  )

DFA<dfa.decisionNumber>_special = DFA.unpack(
  "<dfa.javaCompressedSpecial; wrap="\n  \n">"
  )

DFA<dfa.decisionNumber>_transition = [
  <dfa.javaCompressedTransition: {s|DFA.unpack("<s; wrap="\n\\"">)}; separator=",\n">
]

# class definition for DFA #<dfa.decisionNumber>

class DFA<dfa.decisionNumber>(DFA):
  pass

  <@errorMethod()>

  <if(dfa.specialStateSTs)>
    def specialStateTransition(self_, s, input):
      # convince pylint that my self_ magic is ok ;
      # pylint: disable-msg=E0213

      # pretend we are
      a member of the recognizer
      # thus semantic predicates can be evaluated
      self = self_.recognizer

      _s = s

      <dfa.specialStateSTs: {state | if s == <i0>: <! compressed special state numbers 0..n-1 !>
      <state>} ; separator="\n!">

  <if(backtracking)>
    if self._state.backtracking > 0:
      raise BacktrackingFailed

  <endif>
    nvae = NoViableAltException(self_.getDescription(), <dfa.decisionNumber>, _s, input)
    self_.error(nvae)
    raise nvae<\n>
  <endif>

  >>

  cyclicDFAInit(dfa) ::= <<
  self.dfa<dfa.decisionNumber> = self.DFA<dfa.decisionNumber>(

```

```

self, <dfa.decisionNumber>,
eot = self.DFA<dfa.decisionNumber>_eot,
eof = self.DFA<dfa.decisionNumber>_eof,
min = self.DFA<dfa.decisionNumber>_min,
max = self.DFA<dfa.decisionNumber>_max,
accept = self.DFA<dfa.decisionNumber>_accept,
special = self.DFA<dfa.decisionNumber>_special,
transition = self.DFA<dfa.decisionNumber>_transition
)<\n>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
index<decisionNumber>_<stateNumber> = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\nел">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if s >= 0:
    return s
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if (<labelExpr>)<if(predicates)> and (<predicates>)<endif>:
    s = <targetStateNumber><\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to
 * the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
se:
    s = <targetStateNumber><\n>
>>

// D F A E X P R E S S I O N S

```



```

andPredicates(left,right) ::= "((<left>) and (<right>))"

orPredicates(operands) ::= "<operands; separator=\" or \">"

notPredicate(pred) ::= "not (<evalPredicate(pred, {}>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "self.<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "self.input.LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
<lower> \<= LA<decisionNumber>_<stateNumber> \<= <upper>
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "<lower> \<=
self.input.LA(<k>)
\<= <upper>"

lookaheadSetTest(values,k,valuesAsInt) ::= <%
LA<decisionNumber>_<stateNumber> in {<values; separator=" ">}
%>

isolatedLookaheadSetTest(values,k,valuesAsInt) ::= <%
self.input.LA(<k>) in {<values; separator=" ">}
%>

lookaheadVarName(k) ::= "LA<decisionNumber>_<stateNumber>"
isolatedLookaheadVarName(k) ::= "self.input.LA(<k>)"

setTest(ranges) ::= "<ranges; separator=\" or \">"

// A T T R I B U T E S

globalAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
def __init__(self):
<scope.attributes:{it | self.<it.decl> = None}; separator="\n">

```

```

<endif>
<endif>
>>

globalAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

ruleAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
    def __init__(self):
        <scope.attributes:{it | self.<it.decl>
= None}; separator="\n">

<endif>
<endif>
>>

ruleAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> = None
>>

returnStructName(r) ::= "<r.name>_return"

/** Define a return struct for a rule if the code needs to access its
* start/stop tokens, tree stuff, attributes, ... Leave a hole for
* subgroups to stick in members.
*/
returnScope(scope) ::= <<

```

```

<if(ruleDescriptor.hasMultipleReturnValues)>
class <ruleDescriptor:returnStructName()><(if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope):
  def __init__(self):
    super().__init__()

    <if(scope)><scope.attributes:{it | self.<it.decl> = None}; separator="\n"><endif>
    <@ruleReturnInit()>

    <@ruleReturnMembers()>

<endif>
>>

parameterScope(scope)
::= <<
<if(scope)><scope.attributes:{it | <it.decl>}; separator=", "><endif>
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> = <expr>"

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
self.<scope>_stack[-<negIndex>].<attr.name>
<else>
<if(index)>
self.<scope>_stack[<index>].<attr.name>
<else>
self.<scope>_stack[-1].<attr.name>
<endif>
<endif>
%>

/* not applying patch because of bug in action parser!

<if(negIndex)>
((len(self.<scope>_stack) - <negIndex> - 1) >= 0 and [self.<scope>_stack[-<negIndex>].<attr.name>] or [None])[0]
<else>
<if(index)>
((<index> \< len(self.<scope>_stack)) and [self.<scope>_stack[<index>].<attr.name>] or [None])[0]
<else>
((len(self.<scope>_stack) > 0) and [self.<scope>_stack[-1].<attr.name>] or [None])[0]
<endif>
<endif>

*/

```

```

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<!FIXME: this seems not
to be used by ActionTranslator...!>
self.<scope>_stack[-<negIndex>].<attr.name> = <expr>
<else>
<if(index)>
<!FIXME: this seems not to be used by ActionTranslator...!>
self.<scope>_stack[<index>].<attr.name> = <expr>
<else>
self.<scope>_stack[-1].<attr.name> = <expr>
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
* to stack itself not top of stack. This is useful for predicates
* like {$function.size()>0 && $function::name.equals("foo")}?
*/
isolatedDynamicScopeRef(scope) ::= "self.<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
((<scope> is not None) and [<scope>.<attr.name>] or [None])[0]
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr)
::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> = <expr>
<else>
<attr.name> = <expr>
<endif>
%>

/** How to translate $tokenLabel */

```

```

tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach; and they are evaluated early;
// they cannot see TREE_PARSER or PARSER attributes for example. :(

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>.text"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.type"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.line"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.charPositionInLine"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.channel"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>.index"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr)
  ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
((<scope> is not None) and [self.input.getTokenStream().toString(
  self.input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
  self.input.getTreeAdaptor().getTokenStopIndex(<scope>.start)
)] or [None])[0]
<else>
((<scope> is not None) and [self.input.toString(<scope>.start,<scope>.stop)] or [None])[0]
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "((<scope> is not None) and [<scope>.st] or [None])[0]"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "((<scope> is not None) and [<scope>.type] or [0])[0]"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "((<scope> is not None) and [<scope>.line] or [0])[0]"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "((<scope> is not None) and [<scope>.charPositionInLine] or [0])[0]"
lexerRuleLabelPropertyRef_channel(scope,attr)
  ::= "((<scope> is not None) and [<scope>.channel] or [0])[0]"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "((<scope> is not None) and [<scope>.index] or [0])[0]"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "((<scope> is not None) and [<scope>.text] or [None])[0]"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "((<scope> is not None) and [int(<scope>.text)] or [0])[0]"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"

```

```

rulePropertyRef_stop(scope,attr) ::= "retval.stop" //mmm... or input.LT(-1)??
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= "self.input.toString(retval.start, self.input.LT(-1))"
rulePropertyRef_st(scope,attr) ::= "retval.st"

```

```

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "self._state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr)
  ::= "self._state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "self._state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(self.getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

```

```

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"

```

```

/** How to execute an action (only when not backtracking) */

```

```

execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if <actions.(actionScope).synpredgate>:
  pass
  <action>

```

```

<else>
if <actions.(actionScope).synpredgate>:
  pass
  <action>

```

```

<endif>
<else>
#action start
<action>
#action
end
<endif>
>>

```

```

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

```

```
// M I S C (properties, etc...)
```

```
codeFileExtension() ::= ".py"
```

```
true_value() ::= "True"
```

```
false_value() ::= "False"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/Python3/Python3.stg
```

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```

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```
*/
```

```
/** Templates for building ASTs during normal parsing.
```

```
*
```

```
* Deal with many combinations. Dimensions are:
```

```
* Auto build or rewrite
```

```
* no label, label, list label (label/no-label handled together)
```

```
* child, root
```

```
* token, set, rule, wildcard
```

```

*
* The situation is not too bad as rewrite (->) usage makes ^ and !
* invalid. There is no huge explosion of combinations.
*/

finishedBacktracking(block) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>
if
  <actions.(actionScope).synpredgate>:
    <block>
<else>
<block>
<endif>
<endif>
>>

@ruleBody.setErrorReturnValue() ::= <<
retval.tree = self._adaptor.errorNode(self.input, retval.start, self.input.LT(-1), re)
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
  <label>_tree = <createNodeFromToken(...)>
  self._adaptor.addChild(root_0, <label>_tree)
})>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
  <label>_tree = <createNodeFromToken(...)>
  root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={})
::= <<
<tokenRefBang(...)>

```



```

<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list
// label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <%
<super.matchSet(postmatchCode={<finishedBacktracking({self._adaptor.addChild(root_0,
<createNodeFromToken(...)>})>}, ...)>
%>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
<super.matchSet(postmatchCode={<finishedBacktracking({root_0 =

```

```

self._adaptor.becomeRoot(<createNodeFromToken(...)>, root_0)}>}, ...>
>>

// RULE REF AST

/** rule when output=AST
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({self._adaptor.addChild(root_0, <label>.tree)}>
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({root_0 = self._adaptor.becomeRoot(<label>.tree, root_0)}>
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree }>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(label, {<label>.tree }>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree }>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions={ })
::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
self._adaptor.addChild(root_0, <label>_tree)
})>

```

>>

```
wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"
```

```
wildcardRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<  
<super.wildcard(...)>  
<finishedBacktracking({  
<label>_tree = self._adaptor.createWithPayload(<label>  
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)  
})>  
>>
```

```
createNodeFromToken(label,terminalOptions={}) ::= <%  
<if(terminalOptions.node)>  
<terminalOptions.node>(<label>) <! new MethodNode(IDLabel) !>  
<else>  
self._adaptor.createWithPayload(<label>  
<endif>  
>%
```

```
ruleCleanUp() ::= <<  
<super.ruleCleanUp()>  
<finishedBacktracking({  
retval.tree = self._adaptor.rulePostProcessing(root_0)  
self._adaptor.setTokenBoundaries(retval.tree, retval.start, retval.stop)  
})>  
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/Python3/ASTParser.stg  
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*/

/** How to generate rules derived from left-recursive rules.

* These rely on recRuleDefArg(), recRuleAltPredicate(),
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
* templates in main language.stg

*/

group LeftRecursiveRules;

recRuleName(ruleName) ::= "<ruleName>_"

recPrimaryName(ruleName) ::= "<ruleName>_primary"

recRuleStart(ruleName, minPrec, userRetvals, userRetvalAssignments) ::= <<

<ruleName><if(userRetvals)> returns

[<userRetvals>]<endif>

: <recRuleName(...)>[<minPrec>]

<if(userRetvals)>

{

<userRetvalAssignments; separator="\n">

}

<endif>

;

>>

recRule(ruleName, precArgDef, argName, alts, setResultAction, buildAST,

userRetvals, userRetvalAssignments) ::= <<

<recRuleName(...)>[<precArgDef>]<if(userRetvals)> returns [<userRetvals>]<endif>

: <recPrimaryName(...)>

<if(buildAST)>

{

<setResultAction>

}

<endif>

<if(userRetvals)>

{

<userRetvalAssignments; separator="\n">

```

    }
    <endif>
    ( options { backtrack=false;}
    : ( options { backtrack=false;}
      : <alts; separator="\n | ">
      )
    )*)
;
>>

```

```

recPrimaryRule(ruleName, alts, userRetvals) ::= <<
<recPrimaryName(...)><if(userRetvals)> returns [<userRetvals>]<endif>
options { backtrack=true;}
: <alts; separator="\n | ">
;
>>

```

```

recRuleAlt(alt,
pred) ::= "{<pred>}?=> <alt>"

```

```

recRuleRef(ruleName, arg) ::= "<recRuleName(...)>[<arg>]"

```

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```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
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*/

```

```

/** Templates for building ASTs during tree parsing.

```

```

*
* Deal with many combinations. Dimensions are:
* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* Each combination has its
  own template except that label/no label
* is combined into tokenRef, ruleRef, ...
*/

```

```

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<if(!ruleDescriptor.isSynPred)>
<ASTLabelType> _first_0 = default(<ASTLabelType>);
<ASTLabelType> _last = default(<ASTLabelType>);
<endif>
>>

```

```

/** What to emit when there is no rewrite rule. For auto build

```

```

* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(rewriteMode)>
retval.Tree = (<ASTLabelType>)_first_0;
if (adaptor.GetParent(retval.Tree)!=null && adaptor.IsNil(adaptor.GetParent(retval.Tree)))
  retval.Tree = (<ASTLabelType>)adaptor.GetParent(retval.Tree);
<endif>
<if(backtracking)>}<endif>
<endif>
>>

```

```

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children,
  nullableChildList,
  enclosingTreeLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
{
<ASTLabelType> _save_last_<treeLevel> = _last;
<ASTLabelType> _first_<treeLevel> = default(<ASTLabelType>);
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>.Tree;
<else>
if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1) == TokenType.Down) {
  Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
  <children:element()>
  Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
}
<else>
Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input,
  TokenType.Up, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}
<else>
<super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>
<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text;
format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.tokenRef(...)>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefAndListLabel(...)>

```



```

<endif>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if
(<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><<n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
<else>
<super.tokenRefRuleRoot(...)>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefRuleRootAndListLabel(...)>
<endif>
>>

/**
Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.DupTree(<label>);
adaptor.AddChild(root_<treeLevel>, <label>_tree);

```

```

<if(backtracking)></endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate></endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
</endif>
<else>
<super.wildcard(...)>
</endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {</endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,</endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text;
format="string"></endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,</endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"></endif>);
</endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>\}</endif>
</endif>
}, ...
)>
<else>
<super.matchSet(...)>
</endif>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
</endif>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<

```

```

<if(!ruleDescriptor.isSynPred)>
  _last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
<else>
<super.matchSetBang(...)>
<endif>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug)
 ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSetRuleRoot(...)>
<endif>
>>

```

```
// RULE REF AST
```

```

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
  _last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<treeLevel>,
  <label>.Tree;
<else> <! rewrite mode !>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>.Tree;
<endif>
<else>

```

```

<super.ruleRef(...)>
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefAndListLabel(...)>
<endif>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_<treeLevel>);
<endif>
<else>
<super.ruleRefRuleRoot(...)>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope)
::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefRuleRootAndListLabel(...)>
<endif>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
<else>
<super.ruleRefTrack(...)>
<endif>
>>

```

```

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrack(...)>
<else>
<super.ruleRefRuleRootTrack(...)>
<endif>
>>

/**
^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/** Streams for token refs are tree nodes now; override to
* change NextToken to NextNode.
*/
createRewriteNodeFromElement(token,terminalOptions,args) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif>stream_<token>.NextNode())
<else>
stream_<token>.NextNode()
<endif>
%>

ruleCleanup() ::= <<
<super.ruleCleanup()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>

```

```
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp2/ASTTreeParser.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
 * [The "BSD license"]
 * Copyright (c) 2011 Terence Parr
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 *
 * Conversion to C#:
 * Copyright (c) 2011 Sam Harwell, Pixel Mine, Inc.
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 *
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 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */
```

```
csharpVisibilityMap ::= [
  "private": "private",
  "protected": "protected",
```

```

"public":"public",
"fragment":"private",
default:"private"
]

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile( LEXER,PARSER,TREE_PARSER, actionScope,
actions,
docComment, recognizer,
name, tokens, tokenNames, rules, cyclicDFAs,
bitsets, buildTemplate, buildAST, rewriteMode, profile,
backtracking, synpreds, memoize, numRules,
fileName, ANTLRVersion, generatedTimestamp, trace,
scopes, superClass, literals) ::=

<<
//-----
//\<auto-generated>
// This code was generated by a tool.
// ANTLR Version: <ANTLRVersion>
//
// Changes to this file may cause incorrect behavior and will be lost if
// the code is regenerated.
//\</auto-generated>
//-----

// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

// The variable 'variable' is assigned but its value is never used.
#pragma warning disable 219
// Unreachable code detected.
#pragma warning disable 162
// Missing XML comment for publicly visible type or member 'Type_or_Member'
#pragma
warning disable 1591
// CLS compliance checking will not be performed on 'type' because it is not visible from outside this assembly.
#pragma warning disable 3019

<actions.(actionScope).header>

<@imports>
using System.Collections.Generic;
using Antlr.Runtime;
using Antlr.Runtime.Misc;
<if(TREE_PARSER)>
using Antlr.Runtime.Tree;
using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;

```

```

<endif>
<@end>
<if(actions.(actionScope).namespace)>
namespace <actions.(actionScope).namespace>
{
<endif>
<docComment>
<recognizer>
<if(actions.(actionScope).namespace)>

} // namespace <actions.(actionScope).namespace>
<endif>
>>

lexerInputStreamType() ::= <<
<actions.(actionScope).inputStreamType; null="ICharStream">
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
superClass={ <if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Lexer
<endif>},
rewriteElementType={},
ASTLabelType={}) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<tokens:{ it|public const int <it.name; format="id">=<it.type>;}; separator="\n">
<scopes:{ it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<actions.lexer.members>

// delegates
<grammar.delegates:
{ g|private <g.recognizerName> <g.delegateName()>;}; separator="\n">
// delegators
<grammar.delegators:
{ g|private <g.recognizerName> <g.delegateName()>;}; separator="\n">
<last(grammar.delegators):{ g|private <g.recognizerName> gParent;}>

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<!-- needed by subclasses !-->
{
OnCreated();
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType()>
input<grammar.delegators:{ g, <g.recognizerName> <g.delegateName()>}> )
: this(input, new RecognizerSharedState()<grammar.delegators:{ g, <g.delegateName()>}>)

```



```

{
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>( <lexerInputStreamType()> input,
RecognizerSharedState state<grammar.delegates:{g|, <g.recognizerName> <g.delegateName()>}>)
: base(input, state)
{
<if(memoize)>
<if(grammar.grammarIsRoot)>
state.ruleMemo = new System.Collections.Generic.Dictionary<int, int>[<numRules>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, this.state<trunc(g.delegates):{p|,
<p.delegateName()>}>, this);}; separator="\n">
<grammar.delegates:
{g|this.<g.delegateName()> = <g.delegateName()>}; separator="\n">
<last(grammar.delegates):{g|gParent = <g.delegateName()>};>

OnCreated();
}
public override string GrammarFileName {
get { return "<fileName>"; } }

<if(grammar.hasDelegates)>
public override <lexerInputStreamType()> CharStream
{
get
{
return base.CharStream;
}
set
{
base.CharStream = value;
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegates):{p|, <p.delegateName()>}>,
this);}; separator="\n">
<grammar.delegates:
{g|this.<g.delegateName()> = <g.delegateName()>}; separator="\n">
<last(grammar.delegates):{g|gParent = <g.delegateName()>};>
}
}

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
base.SetState(state);
<grammar.delegates:{g|<g.delegateName()>.SetState(state);}; separator="\n">

```

```

}
<endif>

<endif>
<if(filterMode)>
  <filteringNextToken()>
<endif>

partial void OnCreated();
partial void EnterRule(string ruleName, int ruleIndex);
partial void LeaveRule(string ruleName, int ruleIndex);

<rules; separator="\n">

<insertLexerSynpreds(synpreds)>

#region
DFA
<cyclicDFAs:{ dfa | DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>; }; separator="\n">

protected override void InitDFAs()
{
  base.InitDFAs();
  <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>;); }; separator="\n">
}

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
#endregion

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
public override IToken NextToken()
{
  while (true)
  {
    if (input.LA(1) == CharStreamConstants.EndOfFile)
    {
      IToken eof = new CommonToken((ICharStream)input, CharStreamConstants.EndOfFile,

```

```

TokenChannels.Default, input.Index, input.Index);
eof.Line = Line;
eof.CharPositionInLine = CharPositionInLine;
return eof;
}
state.token = null;
state.channel = TokenChannels.Default;
state.tokenStartCharIndex = input.Index;
state.tokenStartCharPositionInLine = input.CharPositionInLine;
state.tokenStartLine = input.Line;
state.text = null;
try
{
int m = input.Mark();
state.backtracking=1;<! means we won't throw slow exception !>
state.failed=false;
mTokens();
state.backtracking=0;
<! mTokens backtracks with synpred at backtracking==2
and we set the synpredgate to allow actions at level 1. !>
if (state.failed)
{
input.Rewind(m);
input.Consume();<! advance one char and try again !>
}
else
{
Emit();
return state.token;
}
}
catch (RecognitionException re)
{
// shouldn't happen in backtracking mode, but...
ReportError(re);
Recover(re);
}
}

public
override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
if (state.backtracking > 1)
base.Memoize(input, ruleIndex, ruleStartIndex);
}

public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)

```

```

{
if (state.backtracking > 1)
return base.AlreadyParsedRule(input, ruleIndex);

return false;
}
>>

actionGate() ::= "state.backtracking == 0"

filteringActionGate() ::= "state.backtracking == 1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, inputStreamType, superClass,
    labelType, members, rewriteElementType,
    filterMode, ASTLabelType="object") ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<if(grammar.grammarIsRoot)>
internal
static readonly string[] tokenNames = new string[] {
    "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
};
<endif>
<tokens:{it|public const int <it.name; format="id">=<it.type>;}; separator="\n">

<if(grammar.delegates)>
// delegates
<grammar.delegates:
    {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
<endif>
<if(grammar.delegators)>
// delegators
<grammar.delegators:
    {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
<last(grammar.delegators):{g|private <g.recognizerName> gParent;}>
<endif>

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
    base.SetState(state);
    <grammar.delegates:{g|<g.delegateName(>.SetState(state);}; separator="\n">
}

```

```

<if(TREE_PARSER)>
public override void SetTreeNodeStream(ITreeNodeStream input)
{
    base.SetTreeNodeStream(input);
    <grammar.delegates: {g|<g:delegateName(>}.SetTreeNodeStream(input);}; separator="\n">
}
<endif>
<endif>

<scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<@members(>

public
override string[] TokenNames { get { return <grammar.composite.rootGrammar.recognizerName>.tokenNames; }
}
public override string GrammarFileName { get { return "<fileName>"; } }

<members>

partial void OnCreated();
partial void EnterRule(string ruleName, int ruleIndex);
partial void LeaveRule(string ruleName, int ruleIndex);

#region Rules
<rules; separator="\n">
#endregion Rules

<if(grammar.delegatedRules)>
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
#region Delegated rules
<grammar.delegatedRules: {ruleDescriptor|
    <ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <return Type(ruleDescriptor)>
    <ruleDescriptor.name; format="id"><(<ruleDescriptor.parameterScope:parameterScope(>>) <!throws
RecognitionException !>{ <if(ruleDescriptor.hasReturnValue)>return
    <endif><ruleDescriptor.grammar:delegateName(>.<ruleDescriptor.name;
format="id"><(<ruleDescriptor.parameterScope.attributes: {a|<a.name; format="id">}; separator=", ">); \}};
separator="\n">
#endregion Delegated rules
<endif>

<insertSynpreds(synpreds)>

<if(cyclicDFAs)>
#region DFA
<cyclicDFAs: {dfa | private DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

```

```

protected override void InitDFAs()
{
    base.InitDFAs();
    <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>( this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif> );}; separator="\n">
}

<cyclicDFAs:cyclicDFA()><! dump tables for all DFA !>
#endregion DFA
<endif>

<if(bitsets)>
#region Follow sets
private static class Follow
{
    <bitsets:{ it|bitset(name={_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>}; separator="\n">
}
#endregion Follow sets
<endif>
}
>>

@genericParser.members() ::= <<
<!
WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>( <inputStreamType>
input<grammar.delegators:{ g|, <g.recognizerName> <g:delegateName()>}>)
: this(input, new RecognizerSharedState()<grammar.delegators:{ g|, <g:delegateName()>}>)
{
}
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>( <inputStreamType> input,
RecognizerSharedState state<grammar.delegators:{ g|, <g.recognizerName> <g:delegateName()>}>)
: base(input, state)
{
<if(grammar.directDelegates)>
<grammar.directDelegates:
{ g|<g:delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p:delegateName()>}>,
this);}; separator="\n">
<endif>
<if(grammar.indirectDelegates)>
<grammar.indirectDelegates:{ g | <g:delegateName()> = <g.delegator:delegateName()>.<g:delegateName()>};
separator="\n">
<endif>
<if(grammar.delegators)>
<last(grammar.delegators):{ g|gParent = <g:delegateName()>};>
<endif>
<parserCtorBody()>
OnCreated();

```

```

}
>>

//
imported grammars are 'public' (can't be internal because their return scope classes must be accessible)
parserModifier(grammar, actions) ::= <<
<if(grammar.grammarIsRoot)><actions.(actionScope).modifier; null="public"><else>public<endif>
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new System.Collections.Generic.Dictionary<int,
int>[<length(grammar.allImportedRules)>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
    ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Parser.<
<endif>}, labelType="IToken",
    members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ITokenStream", rewriteElementType="IToken",
    filterMode=false, ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
    numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Tree.<
if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif><endif>},
    members={<actions.treeparser.members>}) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot
 * be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */

```

```

synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<

partial void EnterRule_<ruleName>_fragment();
partial void LeaveRule_<ruleName>_fragment();

// $ANTLR start <ruleName>
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> void
<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>)
{
  <ruleLabelDefs(...)>
  EnterRule_<ruleName>_fragment();
  EnterRule("<ruleName>_fragment", <ruleDescriptor.index>);
  TraceIn("<ruleName>_fragment", <ruleDescriptor.index>);
  try
  {
    <block>
  }
  finally
  {
    TraceOut("<ruleName>_fragment", <ruleDescriptor.index>);
    LeaveRule("<ruleName>_fragment", <ruleDescriptor.index>);
    LeaveRule_<ruleName>_fragment();
  }
}
// $ANTLR end <ruleName>
>>

insertLexerSynpreds(synpreds) ::= <<
<insertSynpreds(synpreds)>
>>

insertSynpreds(synpreds) ::= <<
<if(synpreds)>
#region Synpreds
private bool EvaluatePredicate(System.Action
fragment)
{
  bool success = false;
  state.backtracking++;
  <@start(>
  try { DebugBeginBacktrack(state.backtracking);
  int start = input.Mark();
  try
  {
    fragment();
  }
  catch ( RecognitionException re )

```



```

{
  System.Console.Error.WriteLine("impossible: "+re);
}
success = !state.failed;
input.Rewind(start);
} finally { DebugEndBacktrack(state.backtracking, success); }
<@stop()>
state.backtracking--;
state.failed=false;
return success;
}
#endregion Synpreds
<endif>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking > 0 && AlreadyParsedRule(input, <ruleDescriptor.index>)) { <returnFromRule()> }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnFromRule()><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0)
{ state.failed=true; <returnFromRule()> }<endif>
>>

ruleWrapperMap ::= [
  "bottomup":{<ruleWrapperBottomup()>},
  "topdown":{<ruleWrapperTopdown()>},
  default:""
]

ruleWrapperBottomup() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Bottomup() { <if(buildAST)>return
<endif>bottomup(); }
<endif>
>>

ruleWrapperTopdown() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Topdown() { <if(buildAST)>return

```

```

<endif>topdown(); }
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(ruleDescriptor.returnScope)>
partial void EnterRule_<ruleName>();
partial void LeaveRule_<ruleName>();
<ruleWrapperMap.(ruleName)>
//
$ANTLR start "<ruleName>"
// <fileName>:<description>
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <returnType(ruleDescriptor)> <ruleName;
format="id">(<ruleDescriptor.parameterScope:parameterScope(>>)
{
EnterRule_<ruleName>();
EnterRule("<ruleName>", <ruleDescriptor.index>);
TraceIn("<ruleName>", <ruleDescriptor.index>);
<ruleScopeSetUp(>
<ruleDeclarations(>
<ruleLabelDefs(...)>
<ruleDescriptor.actions.init>
try { DebugEnterRule(GrammarFileName, "<ruleName>");
DebugLocation(<ruleDescriptor.tree.line>, <ruleDescriptor.EORNode.charPositionInLine>);
<@preamble(>
try
{
<ruleMemoization(name=ruleName)>
<block>
<ruleCleanUp(>
<(ruleDescriptor.actions.after):execAction(>
}
<if(exceptions)>
<exceptions: {e|<catch(decl=e.decl,action=e.action)><\n>}>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
<actions.(actionScope).rulecatch>
<else>
catch (RecognitionException re)
{
ReportError(re);
Recover(input,re);

```

```

<@setErrorReturnValue()>
}
<endif>
<endif>
<endif>
finally
{
  TraceOut("<ruleName>",
<ruleDescriptor.index>);
  LeaveRule("<ruleName>", <ruleDescriptor.index>);
  LeaveRule_<ruleName>();
  <memoize()>
  <ruleScopeCleanUp()>
  <finally>
}
DebugLocation(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);
} finally { DebugExitRule(GrammarFileName, "<ruleName>"); }
<@postamble()>
<returnFromRule()><\n>
}
// $ANTLR end "<ruleName>"
>>

// imported grammars need to have internal rules
ruleModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>internal<endif>
>>

// imported grammars need to have public return scopes
returnScopeModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>public<endif>
>>

catch(decl,action)
::= <<
catch (<e.decl>)
{
  <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new
<returnType(ruleDescriptor)>(<if(ruleDescriptor.returnScope.attributes)>this<endif>);
retval.Start = (<labelType>)input.LT(1);

```

```

<else>
<ruleDescriptor.returnScope.attributes:{ a |
<a.type> <a.name; format="id"> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.Index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes:{it|<it>_stack.Push(new <it>_scope(this));<it>_scopeInit(<it>_stack.Peek());};
separator="\n">
<ruleDescriptor.ruleScope:{it|<it.name>_stack.Push(new
<it.name>_scope(this));<it.name>_scopeInit(<it.name>_stack.Peek());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes:{it|<it>_scopeAfter(<it>_stack.Peek());<it>_stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope:{it|<it.name>_scopeAfter(<it.name>_stack.Peek());<it.name>_stack.Pop();};
separator="\n">
>>

ruleLabelDefs(ruleDescriptor, labelType, ASTLabelType, rewriteElementType) ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<ruleDescriptor.tokenListLabels
: {it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<[ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|List<<ASTLabelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:ruleLabelDef(); separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<[ruleDescriptor.charListLabels,
ruleDescriptor.charLabels]
: {it|int <it.label.text> = 0;}; separator="\n"
>

```

```

<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
  :{it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.charListLabels:{it|List<int> list_<it.label.text> = null;}; separator="\n"
>
>>

returnFromRule() ::= <%
return
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<! This comment is a hack to make sure the following
  single space appears in the output. !> <ruleDescriptor.singleValueReturnName>
<else>
<!!> retval
<endif>
<endif>
<endif>
<endif>
;
%>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.Stop = (<labelType>)input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) { Memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex);
}
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<

partial void EnterRule_<ruleName>();
partial void LeaveRule_<ruleName>();

```

```

// $ANTLR start "<ruleName>"
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> void
m<ruleName>(<ruleDescriptor.parameterScope:parameterScope()>)
{
  EnterRule_<ruleName>();
  EnterRule("<ruleName>", <ruleDescriptor.index>);
  TraceIn("<ruleName>", <ruleDescriptor.index>);
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  try
  {
<if(nakedBlock)>
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block>
<else>
  int _type = <ruleName>;
  int _channel = DefaultTokenChannel;
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block>
  <ruleCleanUp()>
  state.type = _type;
  state.channel
  = _channel;
  <(ruleDescriptor.actions.after):execAction()>
<endif>
  }
  finally
  {
    TraceOut("<ruleName>", <ruleDescriptor.index>);
    LeaveRule("<ruleName>", <ruleDescriptor.index>);
    LeaveRule_<ruleName>();
    <ruleScopeCleanUp()>
    <memoize()>
  }
}
// $ANTLR end "<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<

```

```

public override void mTokens()
{
  <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterSubRule(<decisionNumber>);
try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred!>);
<decision>
} finally { DebugExitDecision(<decisionNumber>);
}
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>)
{
<alts:{a|<altSwitchCase(i,a)>}>
}
} finally { DebugExitSubRule(<decisionNumber>); }
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred!>);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{a|<altSwitchCase(i,a)>}>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>

```

```

<@prealt(>
DebugEnterAlt(1);
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description)
 ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
DebugEnterAlt(1);
<alts>
<@postalt(>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int cnt<decisionNumber>=0;
<decls>
<@preloop(>
try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision(>
try { DebugEnterDecision(<decisionNumber>, false!<decision.dfa.hasSynPred!>);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision(>
switch (alt<decisionNumber>)
{
<alts:{a|altSwitchCase(i,a)}>
default:
if (cnt<decisionNumber> >= 1)
goto loop<decisionNumber>;

<ruleBacktrackFailure(>
EarlyExitException eee<decisionNumber> = new EarlyExitException( <decisionNumber>, input );
DebugRecognitionException(eee<decisionNumber>);
<@earlyExitException(>
throw
eee<decisionNumber>;
}
cnt<decisionNumber>++;

```



```

}
loop<decisionNumber>:
;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
// <fileName>:<description>
<decls>
<@preloop()>
try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred!>);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch ( alt<decisionNumber> )
{
<alts:{a|altSwitchCase(i,a)}>
default:
goto loop<decisionNumber>;
}
}
}

loop<decisionNumber>:
;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/**
Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

```

```
optionalBlockSingleAlt ::= block
```

```
/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
```

```
altSwitchCase(altNum,alt) ::= <<
case <altNum>:
  <@prealt()>
  DebugEnterAlt(<altNum>);
  <alt>
  break;<\n>
>>
```

```
/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
  <@declarations()>
  <elements:element()>
  <rew>
  <@cleanup()>
}
>>
```

```
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
```

```
noRewrite(rewriteBlockLevel, treeLevel) ::= ""
```

```
// E L E M E N T S
```

```
/** Dump the elements one per line */
element(it)
 ::= <%
  <@prematch()>
  DebugLocation(<it.line>, <it.pos>);<\n>
  <it.el><\n>
  %>
```

```
/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=<labelType><endif>Match(input,<token>,Follow._<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>
```

```
/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
```

```

<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

listLabel(label,elem) ::= <<
#error The listLabel template should not be used with this target.<\n>
>>

listLabelElem(label,elem,elemType) ::= <<
if (list_<label>==null) list_<label>=new List<<elemType; null={<labelType>}>>();
list_<label>.Add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label>
= input.LA(1);<\n>
<endif>
MatchRange(<a>,<b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,terminalOptions,elementIndex,postmatchCode="") ::= <<
<if(label)>
<matchSetLabel()>
<endif>
if (<s>)
{
input.Consume();
<postmatchCode>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
}
else
{
<ruleBacktrackFailure()>
MismatchedSetException mse = new MismatchedSetException(null,input);
DebugRecognitionException(mse);
<@mismatchedSetException()>
<if(LEXER)>

```

```

Recover(mse);
throw mse;
<else>
throw mse;
<! use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,Follow._set_in_<ruleName><elementIndex>);
!>
<endif>
}<\n>
>>

```

```

matchSetUnchecked(s,label,elementIndex,postmatchCode=false) ::= <%
<if(label)>
<matchSetLabel()><\n>
<endif>
input.Consume();<\n>
<if(postmatchCode)>
<postmatchCode><\n>
<endif>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
%>

```

```

matchSetLabel()
::= <%
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=(<labelType>)input.LT(1);
<endif>
%>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <%
<if(label)>
int <label>Start = CharIndex;<\n>
Match(<string>); <checkRuleBacktrackFailure()><\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<label> = new <labelType>(input, TokenTypes.Invalid, TokenChannels.Default, <label>Start, CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;

```

```

<else>
Match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
%>

wildcard(token,label,elementIndex,terminalOptions)
 ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(Follow._<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name>;
format="id">(<args; separator=" ">);
PopFollow();
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>

```

```

<listLabelElem(elem=label,elemType={ <ASTLabelType>},...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=",">);
<checkRuleBacktrackFailure()><\n>
<label> = new <labelType>(input, TokenType.Invalid, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=",">);
<checkRuleBacktrackFailure()>
<endif>
%>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
Match(EOF); <checkRuleBacktrackFailure()><\n>
<labelType> <label> = new <labelType>(input, EOF, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(EOF);
<checkRuleBacktrackFailure()>
<endif>
%>

```

```

// used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg(>"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg(> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
    enclosingTreeLevel, treeLevel) ::= <<
<root:element(>
<actionsAfterRoot:element(>
<if(nullableChildList)>
if (input.LA(1) == TokenType.Down)
{
    Match(input, TokenType.Down, null); <checkRuleBacktrackFailure(>
    <children:element(>
    Match(input, TokenType.Up, null); <checkRuleBacktrackFailure(>
}
<else>
Match(input, TokenType.Down, null); <checkRuleBacktrackFailure(>
<children:element(>
Match(input, TokenType.Up, null); <checkRuleBacktrackFailure(>
<endif>
>>

/** Every predicate is used as a validating
    predicate (even when it is
    * also hoisted into a prediction expression).
    */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>))
{
    <ruleBacktrackFailure(>
    throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<n>
<edges; separator="\nelse ">
else
{
<if(eotPredictsAlt)>
alt<decisionNumber> = <eotPredictsAlt>;
<else>

```

```

<ruleBacktrackFailure()>
NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
DebugRecognitionException(nvae);
<@noViableAltException()>
throw nvae;
<endif>
}
>>

```

```

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)?
 people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt>;<! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative
 has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>";

```

```

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may

```



```

* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>))
{
<targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
break;<\n>
<else>
{
<ruleBacktrackFailure()>
NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
DebugRecognitionException(nvae);
<@noViableAltException()>
throw
nvae;
}
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
<if(eotPredictsAlt)>

```



```

"<dfa.javaCompressedEOF; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_minS =
"<dfa.javaCompressedMin; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_maxS =
"<dfa.javaCompressedMax; wrap="\n\t\>";
private const string
DFA<dfa.decisionNumber>_acceptS =
"<dfa.javaCompressedAccept; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_specialS =
"<dfa.javaCompressedSpecial; wrap="\n\t\>>";
private static readonly string[] DFA<dfa.decisionNumber>_transitionS =
{
    <dfa.javaCompressedTransition:{s|<s; wrap="\n\>"; separator=",\n">
};

private static readonly short[] DFA<dfa.decisionNumber>_eot =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eotS);
private static readonly short[] DFA<dfa.decisionNumber>_eof =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eofS);
private static readonly char[] DFA<dfa.decisionNumber>_min =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
private static readonly char[] DFA<dfa.decisionNumber>_max =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
private static readonly short[] DFA<dfa.decisionNumber>_accept =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
private
static readonly short[] DFA<dfa.decisionNumber>_special =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_specialS);
private static readonly short[][] DFA<dfa.decisionNumber>_transition;

static DFA<dfa.decisionNumber>()
{
    int numStates = DFA<dfa.decisionNumber>_transitionS.Length;
    DFA<dfa.decisionNumber>_transition = new short[numStates][];
    for ( int i=0; i < numStates; i++ )
    {
        DFA<dfa.decisionNumber>_transition[i] =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
    }
}

public DFA<dfa.decisionNumber>( BaseRecognizer recognizer<if(dfa.specialStateSTs)>,
SpecialStateTransitionHandler specialStateTransition<endif> )
<if(dfa.specialStateSTs)>
    : base(specialStateTransition)
<endif>
{
    this.recognizer = recognizer;

```

```

this.decisionNumber = <dfa.decisionNumber>;
this.eot = DFA<dfa.decisionNumber>_eot;
this.eof = DFA<dfa.decisionNumber>_eof;
this.min = DFA<dfa.decisionNumber>_min;
this.max = DFA<dfa.decisionNumber>_max;
this.accept
= DFA<dfa.decisionNumber>_accept;
this.special = DFA<dfa.decisionNumber>_special;
this.transition = DFA<dfa.decisionNumber>_transition;
}

public override string Description { get { return "<dfa.description>"; } }

public override void Error(NoViableAltException nvae)
{
    DebugRecognitionException(nvae);
}
}<\n>
<if(dfa.specialStateSTs)>
private int SpecialStateTransition<dfa.decisionNumber>(DFA dfa, int s, IIntStream _input)<! throws
NoViableAltException!>
{
    <if(LEXER)>
    IIntStream input = _input;
    <endif>
    <if(PARSER)>
    ITokenStream input = (ITokenStream)_input;
    <endif>
    <if(TREE_PARSER)>
    ITreeNodeStream input = (ITreeNodeStream)_input;
    <endif>
    int _s = s;
    s = -1;
    <! pull these outside the switch cases to save space on locals !>
    int LA<dfa.decisionNumber>_1 = input.LA(1);
    int index<dfa.decisionNumber>_1 = input.Index;
    switch (_s)
    {
        <dfa.specialStateSTs: {state |case <i0>:<! compressed special state numbers 0..n-1 !>
        <state>};
        separator="\n">

    default:
        break;
    }

    if (s >= 0)
        return s;

```

```

<if(backtracking)>
if (state.backtracking > 0) {state.failed=true; return -1;}
<endif>
NoViableAltException nvae = new NoViableAltException(dfa.Description, <dfa.decisionNumber>, _s, input);
dfa.Error(nvae);
throw nvae;
}
<endif>
>>

```

```

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
<if(semPredState)>
<! get next lookahead symbol to test edges, then rewind !>
input.Rewind();
<endif>
<edges; separator="\nelse ">
<if(semPredState)>
<! return input cursor to state before we rewound !>
input.Seek(index<decisionNumber>_1);
<endif>
break;
}
>>

```

```

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr>)<if(predicates)>
&& (<predicates>)<endif>) {s = <targetStateNumber>;}<\n>
>>

```

```

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

```

// D F A E X P R E S S I O N S

```
andPredicates(left,right) ::= "<left>&&<right>"
```

```

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "EvaluatePredicate(<pred>_fragment)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<k>==<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<k><ge()><lower>
&& LA<decisionNumber>_<k><le()><upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::=
"(input.LA(<k>)<ge()><lower> && input.LA(<k>)<le()><upper>)"

le() ::= "\<="
ge() ::= ">="

setTest(ranges) ::= <<
<ranges; separator=\\|\\>
>>

// A T T R I B U T E S

attributeScope(scope) ::= <<
<if(scope.attributes)>
protected sealed partial class <scope.name>_scope
{
<scope.attributes: {it|public <it.decl>;}; separator="\n">

public <scope.name>_scope(<grammar.recognizerName> grammar) { OnCreated(grammar); }
partial void OnCreated(<grammar.recognizerName> grammar);
}
<if(scope.actions.scopeinit)>
protected void <scope.name>_scopeInit( <scope.name>_scope scope )
{
<scope.actions.scopeinit>
}
<else>

```

```

partial void <scope.name>_scopeInit( <scope.name>_scope scope );
<endif>
<if(scope.actions.scopeafter)>
protected void <scope.name>_scopeAfter( <scope.name>_scope scope )
{
    <scope.actions.scopeafter>
}
<else>
partial
void <scope.name>_scopeAfter( <scope.name>_scope scope );
<endif>
protected readonly ListStack<<<scope.name>_scope> <scope.name>_stack = new
ListStack<<<scope.name>_scope>();
<endif>
>>

globalAttributeScope(scope) ::= <<
<attributeScope(...)>
>>

ruleAttributeScope(scope) ::= <<
<attributeScope(...)>
>>

returnStructName(it) ::= "<it.name>_return"

returnType(ruleDescriptor) ::= <%
<if(ruleDescriptor.returnScope.attributes && ruleDescriptor.hasMultipleReturnValues)>
    <ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>
<elseif(ruleDescriptor.hasMultipleReturnValues)>
    <ruleReturnBaseType()>
<elseif(ruleDescriptor.hasSingleReturnValue)>
    <ruleDescriptor.singleValueReturnType>
<else>
    void
<endif>
%>

/** Generate the C# type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
    <ruleReturnBaseType()>
<elseif(referencedRule.hasSingleReturnValue)>
    <referencedRule.singleValueReturnType>
<else>
    void

```

```

<endif>
%>

delegateName(it)
::= <<
<if(it.label)><it.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
default(<typeName>)
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(label.referencedRule)> <label.label.text> = <initValue(ruleLabelType(label.referencedRule))>;
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(scope.attributes && ruleDescriptor.hasMultipleReturnValues)>
<returnScopeModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> sealed partial class
<ruleDescriptor:returnStructName()> : <ruleReturnBaseType()><@ruleReturnInterfaces()>
{
<scope.attributes:{ it|public
<it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>
>>

ruleReturnBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope<<labelType>>
%>

@returnScope.ruleReturnMembers() ::= <<
public <ruleDescriptor:returnStructName()><(<grammar.recognizerName> grammar) { OnCreated(grammar);}
partial void OnCreated(<grammar.recognizerName> grammar);
>>

parameterScope(scope) ::= <<
<scope.attributes:{ it|<it.decl>}; separator=", ">
>>

```



```
parameterAttributeRef(attr) ::= <<
<attr.name; format="id">
>>
```

```
parameterSetAttributeRef(attr,expr) ::= <<
<attr.name; format="id"> =<expr>;
>>
```

```
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id">
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id">
<else>
<scope>_stack.Peek().<attr.name; format="id">
<endif>
<endif>
%>
```

```
scopeSetAttributeRef(scope,attr,expr,index,negIndex)
::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id"> = <expr>;
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id"> = <expr>;
<else>
<scope>_stack.Peek().<attr.name; format="id"> = <expr>;
<endif>
<endif>
%>
```

```
/** $x is either global scope or x is rule with dynamic scope; refers
* to stack itself not top of stack. This is useful for predicates
* like {$function.Count>0 && $function::name.Equals("foo")}?
*/
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"
```

```
/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?(<returnType(referencedRule)>)<scope>).<attr.name; format="id">:<initValue(attr.type)>
<else>
<scope>
<endif>
%>
```

```

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id">
<else>
<attr.name;
format="id">
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id"> =<expr>;
<else>
<attr.name; format="id"> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>!=null?<scope>.Text:default(string))"
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>!=null?<scope>.Type:0)"
tokenLabelPropertyRef_line(scope,attr) ::= "(<scope>!=null?<scope>.Line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(<scope>!=null?<scope>.CharPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(<scope>!=null?<scope>.Channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "(<scope>!=null?<scope>.TokenIndex:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr)
::= "(<scope>!=null?int.Parse(<scope>.Text):0)"

ruleLabelPropertyRef_start(scope,attr) ::= "(<scope>!=null?((<labelType><scope>.Start):default(<labelType>))"
ruleLabelPropertyRef_stop(scope,attr) ::= "(<scope>!=null?((<labelType><scope>.Stop):default(<labelType>))"
ruleLabelPropertyRef_tree(scope,attr) ::=
"(<scope>!=null?((<ASTLabelType><scope>.Tree):default(<ASTLabelType>))"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
(<scope>!=null?(input.TokenStream.ToString(
input.TreeAdaptor.GetTokenStartIndex(<scope>.Start),
input.TreeAdaptor.GetTokenStopIndex(<scope>.Start))):default(string))
<else>
(<scope>!=null?input.ToString(<scope>.Start,<scope>.Stop):default(string))

```

```

<endif>
%>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?<scope>.Template:null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
  "<scope>!=null?<scope>.Type:0)"

lexerRuleLabelPropertyRef_line(scope,attr)
  ::=
  "<scope>!=null?<scope>.Line:0)"

lexerRuleLabelPropertyRef_pos(scope,attr) ::=
  "<scope>!=null?<scope>.CharPositionInLine:-1)"

lexerRuleLabelPropertyRef_channel(scope,attr) ::=
  "<scope>!=null?<scope>.Channel:0)"

lexerRuleLabelPropertyRef_index(scope,attr) ::=
  "<scope>!=null?<scope>.TokenIndex:0)"

lexerRuleLabelPropertyRef_text(scope,attr) ::=
  "<scope>!=null?<scope>.Text:default(string))"

lexerRuleLabelPropertyRef_int(scope,attr) ::=
  "<scope>!=null?int.Parse(<scope>.Text):0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.Start"
rulePropertyRef_stop(scope,attr) ::= "retval.Stop"
rulePropertyRef_tree(scope,attr) ::= "retval.Tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.TokenStream.ToString(
  input.TreeAdaptor.GetTokenStartIndex(retval.Start),
  input.TreeAdaptor.GetTokenStopIndex(retval.Start))
<else>
input.ToString(retval.Start,input.LT(-1))
<endif>
%>
rulePropertyRef_st(scope,attr)
  ::= "retval.Template"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"

```

```

lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int.Parse(<scope>.Text)"

```

```

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.Tree = <expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.Template =<expr>";

```

```

/** How to execute an action
    (only when not backtracking) */
execAction(action) ::= <%
<if(backtracking)>
if (<actions.(actionScope).synpredgate><\n>
{<\n>
<@indentedAction()><\n>
}
<else>
<action>
<endif>
%>

```

```

@execAction.indentedAction() ::= <<
<action>
>>

```

```

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

```

```

// M I S C (properties, etc...)

```

```

bitset(name, words64) ::= <<
public static readonly BitSet <name> = new BitSet(new ulong[] { <words64: {it}<it>UL }; separator=", "> });
>>

```

```

codeFileExtension() ::= ".cs"

```

```

true_value() ::= "true"
false_value() ::= "false"

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/CSharp3.stg

```

No license file was found, but licenses were detected in source scan.

/*

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

```
finishedBacktracking(block) ::= <<
```

```
<if(backtracking)>
```

```
if <actions.(actionScope).synpredgate>:
```

```
  <block>
```

```
<else>
```

```

<block>
<endif>
>>

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
_first_0 = None
_last = None<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<finishedBacktracking({
<if(rewriteMode)>
retval.tree = _first_0
if self._adaptor.getParent(retval.tree) is not None and self._adaptor.isNil(self._adaptor.getParent(retval.tree)):
    retval.tree = self._adaptor.getParent(retval.tree)
<endif>
})>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
    enclosingTreeLevel, treeLevel) ::= <<
_last = self.input.LT(1)
_save_last_<treeLevel> = _last
_first_<treeLevel> = None
<if(!rewriteMode)>
root_<treeLevel> = self._adaptor.nil()<\n>
<endif>
<root:element()>
<if(rewriteMode)>
<finishedBacktracking({
<if(root.el.rule)>
if
_first_<enclosingTreeLevel> is None:
    _first_<enclosingTreeLevel> = <root.el.label>.tree<\n>
<else>
if _first_<enclosingTreeLevel> is None:
    _first_<enclosingTreeLevel> = <root.el.label><\n>
<endif>
})>
<endif>

```

```

<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) == DOWN:
    self.match(self.input, DOWN, None)
    <children:element()>
    self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)<\n>
<endif>
<if(!rewriteMode)>
self._adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>)<\n>
<endif>
_last = _save_last_<treeLevel>

>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={ }) ::= <<
_last = self.input.LT(1)
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={ })
 ::= <<
_last = self.input.LT(1)
<super.tokenRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
})>
<else> <! rewrite mode !>
<finishedBacktracking({
if _first_<treeLevel> is None:
    _first_<treeLevel> = <label><\n>
})>

```

```

<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.tokenRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
root_<treeLevel>
= self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
})>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.wildcard(...)>
<if(!rewriteMode)>
<finishedBacktracking({
<label>_tree = self._adaptor.dupTree(<label>)
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
})>
<else> <! rewrite mode !>
<finishedBacktracking({
if _first_<treeLevel> is None:
_first_<treeLevel> = <label>
})>
<endif>
>>

```



```

// SET AST
matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
  _last = self.input.LT(1)
  <super.matchSet(postmatchCode={
  <if(!rewriteMode)>
  <finishedBacktracking({
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node>(<label>)
  <else>
  <label>_tree
  = self._adaptor.dupNode(<label>)
  <endif><\n>
  self._adaptor.addChild(root_<treeLevel>, <label>_tree)
  })>
  <endif>
  }, ...)>
  >>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
  <matchSet(...)>
  <noRewrite(...)> <! set return tree !>
  >>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
  _last = self.input.LT(1)
  <super.matchSet(...)>
  >>

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
  <super.matchSet(postmatchCode={
  <if(!rewriteMode)>
  <finishedBacktracking({
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node>(<label>)
  <else>
  <label>_tree = self._adaptor.dupNode(<label>)
  <endif><\n>
  root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
  })>
  <endif>
  }, ...)>
  >>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<

```

```

_last = self.input.LT(1)
<super.ruleRef(...)>
<finishedBacktracking({
<if(!rewriteMode)>
self._adaptor.addChild(root_<treeLevel>,
<label>.tree)
<else> <! rewrite mode !>
if _first_<treeLevel> is None:
    _first_<treeLevel> = <label>.tree<\n>
<endif>
})>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
root_<treeLevel> = self._adaptor.becomeRoot(<label>.tree, root_<treeLevel>)
})>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrack(...)>
>>

/**
x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrackAndListLabel(...)>
>>

```

```

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
  _last = self.input.LT(1)
  <super.ruleRefRuleRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  _last = self.input.LT(1)
  <super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,scope,terminalOptions={ }) ::= <<
  <if(terminalOptions.node)>
  <terminalOptions.node>(stream_<token>.nextNode())
  <else>
  stream_<token>.nextNode()
  <endif>
>>

ruleCleanUp() ::= <<
  <super.ruleCleanUp()>
  <if(!rewriteMode)>
  <finishedBacktracking({
  retval.tree = self._adaptor.rulePostProcessing(root_0)
  })>
  <endif>
>>

```

Found

in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python3/ASTTreeParser.stg

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

/* addition memVars for returnscopes */

@returnScopeInterface.memVars()

::= <<

/* ASTTreeParser returnScopeInterface.memVars */

<recognizer.ASTLabelType; null="CommonTree"> *tree;

>>

/** the interface of returnScope methodsDecl */

@returnScopeInterface.methodsDecl() ::= <<

/* ASTTreeParser returnScopeInterface.methodsDecl */

- (<recognizer.ASTLabelType; null="CommonTree"> *)getTree;

- (void) setTree:(<recognizer.ASTLabelType; null="CommonTree"> *)aTree;<\n>

>>

/** the implementation of returnScope methods */

@returnScope.methods() ::= <<

```

/* ASTTreeParser returnScope.methods */
- (<ASTLabelType> *)getTree
{
    return tree;
}

- (void) setTree:(<ASTLabelType> *)aTree
{
    if (tree != aTree) {
        if (tree != nil) [tree release];
        if (aTree != nil) [aTree retain];
        tree = aTree;
    }
}

- (void) dealloc
{
    [self setTree:nil];
    [super dealloc];
}

@synthesize tree;
>>

@returnScopeProperties() ::= <<
@property (retain) <recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/**
Add a variable to track last element matched */
ruleDeclarations() ::= <<
/* ASTTreeParser ruleDeclarations */
<super.ruleDeclarations()>
<ASTLabelType> *_first_0 = nil;
<ASTLabelType> *_last = nil;<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
/* ASTTreeParser noRewrite */
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(rewriteMode)>
retval.tree = (<ASTLabelType> *)_first_0;
if ( [treeAdaptor getParent:retval.tree] != nil && [treeAdaptor isNil:[treeAdaptor getParent:retval.tree]] ) )
    retval.tree = (<ASTLabelType> *)[treeAdaptor getParent:retval.tree];
<endif>

```

```

<if(backtracking)></endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
      enclosingTreeLevel, treeLevel) ::= <<
/* ASTTreeParser tree */
_last = (<ASTLabelType>
*)(input LT:1);
{
<ASTLabelType> *_save_last_<treeLevel> = _last;
<ASTLabelType> *_first_<treeLevel> = nil;
<if(!rewriteMode)>
<ASTLabelType> *root_<treeLevel> = [[[treeAdaptor class] newEmptyTree] retain];
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
<if(root.el.rule)>
if ( _first_<enclosingTreeLevel>==nil ) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if ( _first_<enclosingTreeLevel>==nil ) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( [input LA:1] == TokenTypeDOWN ) {
  [self match:input TokenType:TokenTypeDOWN Follow:nil]; <checkRuleBacktrackFailure()>
  <children:element()>
  [self match:input TokenType:TokenTypeUP Follow:nil]; <checkRuleBacktrackFailure()>
}
<else>
[self match:input TokenType:TokenTypeDOWN Follow:nil]; <checkRuleBacktrackFailure()>
<children:element()>
[self match:input TokenType:TokenTypeUP
Follow:nil]; <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
[treeAdaptor addChild:root_<treeLevel> toTree:root_<enclosingTreeLevel>];
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

// TOKEN AST STUFF

```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefBang */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRef */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
  <label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
  <label>_tree = (<ASTLabelType> *)[treeAdaptor dupNode:<label>];
<endif><\n>
  [treeAdaptor addChild:<label>_tree
toTree:root_<treeLevel>];
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel>==nil ) _first_<treeLevel> = <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefAndListLabel */
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex) ::= <<
/* ASTTreeParser tokenRefRuleRoot */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
  <label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
  <label>_tree = (<ASTLabelType> *)[treeAdaptor dupNode:<label>];

```

```

<endif><\n>
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>_tree old:root_<treeLevel>];
<if(backtracking)></endif>
<endif>
>>

/**
  Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefRuleRootAndListLabel */
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser wildcard */
_last = (<ASTLabelType> *)[input LT:1];
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType> *)[adaptor dupTree:<label>];
[adaptor addChild:<label>_tree toTree:root_<treeLevel>];
<if(backtracking)></endif>
<else><! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel> == nil ) _first_<treeLevel> = <label>;
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
/* ASTTreeParser
  matchSet */
_last = (<ASTLabelType> *)[input LT:1];
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
<label>_tree = (<ASTLabelType> *)[adaptor dupNode:<label>];
<endif><\n>
[adaptor addChild:<label>_tree toTree:root_<treeLevel>];
<if(backtracking)>}</endif>
<endif>
}, ...

```



```

)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
/* ASTTreeParser matchRuleBlockSet */
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
/* ASTTreeParser matchSetBang */
_last = (<ASTLabelType> *)[input LT:1];
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
/* ASTTreeParser matchSetRuleRoot */
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if
( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
<label>_tree = (<ASTLabelType> *)[adaptor dupNode:<label>];
<endif><\n>
root_<treeLevel> = (<ASTLabelType> *)[adaptor becomeRoot:<label>_tree old:root_<treeLevel>];
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRef */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>
<if(!rewriteMode)>
[treeAdaptor addChild:<label>.tree toTree:root_<treeLevel>];
<else> <! rewrite mode !>
if ( _first_<treeLevel> == nil ) _first_<treeLevel> = <label>.tree;
<endif>
>>

```

```

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefAndListLabel
*/
<ruleRef(...)>
<! <listLabel(elem = "["+label+" getTree"],...)> !>
<listLabel(elem = {[<label> getTree]},...)>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRoot */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking == 0 ) <endif>
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>.tree old:root_<treeLevel>];
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRootAndListLabel */
<ruleRefRuleRoot(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefTrack */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and
tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefTrackAndListLabel */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRootTrack */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefRootTrack(...)>
>>

```

```

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRootTrackAndListLabel */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefRuleRootTrackAndListLabel(...)>
>>

```

```

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
/* ASTTreeParser createRewriteNodeFromElement */
<if(terminalOptions.node)>
<! new <terminalOptions.node>(stream_<token>.nextNode()) !>
[[[<terminalOptions.node>(stream_<token>
alloc] init] nextNode];
<else>
<! stream_<token>.nextNode() !>
[stream_<token> nextNode]
<endif>
>>

```

```

ruleCleanUp() ::= <<
/* ASTTreeParser ruleCleanUp */
<super.ruleCleanUp()>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<\n><endif>
retval.tree = (<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0];
<if(backtracking)>}<endif>
<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/ObjC/ASTTreeParser.stg

```

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```

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```

```

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*/

```

```

/** Templates for building ASTs during normal parsing.

```

```

*
* Deal with many combinations. Dimensions are:
* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* The situation is not too bad as rewrite
(->) usage makes ^ and !
* invalid. There is no huge explosion of combinations.
*/

```

```

@rule.setErrorReturnValue() ::= <<
retval.Tree = (<ASTLabelType>)adaptor.ErrorNode(input, retval.Start, input.LT(-1), re);
<! System.out.WriteLine("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>
>>

```

```

// TOKEN AST STUFF

```

```

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions) ::= <%
<super.tokenRef(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)><\n>if (state.backtracking == 0) {<endif>

```

```

<\n><label>_tree = <createNodeFromToken(...)>;
<\n>adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)><\n><endif>
<endif>
%>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <%
<super.tokenRef(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)><\n>if (<actions.(actionScope).synpredgate>)
{ <endif>
<\n><label>_tree = <createNodeFromToken(...)>;
<\n>root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)><\n><endif>
<endif>
%>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code.
I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having

```

```

// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(postmatchCode={<if(!ruleDescriptor.isSynPred)><if(backtracking)>if
(<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <createNodeFromToken(...)>;<endif>},
...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions,postmatchCode) ::= "<super.matchSet(...)>"

// note
there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);
<endif>
<super.matchSet(postmatchCode={<if(!ruleDescriptor.isSynPred)><if(backtracking)>if
(<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<createNodeFromToken(...)>, root_0);<endif>}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <%
<super.ruleRef(...)>
<if(!ruleDescriptor.isSynPred)>
<\n><if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <label>.Tree);
<endif>
%>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)

```

```

<endif>root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_0);
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
<endif>
>>

wildcardBang(label,elementIndex)
::= "<super.wildcard(...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
<endif>
>>

createNodeFromToken(label,terminalOptions) ::= <%
<if(terminalOptions.node)>

```

```

new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalO
ptions.text)>,<terminalOptions.text; format="string"><endif>)
<endif>
%>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<(if(backtracking)>if (<actions.(actionScope).synpredgate>)
{<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
adaptor.SetTokenBoundaries(retval.Tree, retval.Start, retval.Stop);
<(if(backtracking)>}<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/ASTParser.stg

```

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/*

```

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

group ASTTreeParser;

/** Add a variable

to track last element matched */

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

<ASTLabelType> _first_0 = null;

<ASTLabelType> _last = null;<\n>

>>

/** What to emit when there is no rewrite rule. For auto build

* mode, does nothing.

*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<if(backtracking)>if (state.backtracking==0) {<endif>

<if(rewriteMode)>

retval.tree = (<ASTLabelType>)_first_0;

if (adaptor.getParent(retval.tree)!=null && adaptor.isNil(adaptor.getParent(retval.tree)))

retval.tree = (<ASTLabelType>)adaptor.getParent(retval.tree);

<endif>

<if(backtracking)>}<endif>

>>

/** match ^(root children) in tree parser; override here to

* add tree construction actions.

*/

tree(root, actionsAfterRoot, children, nullableChildList,

enclosingTreeLevel, treeLevel) ::= <<

_last = (<ASTLabelType>)input.LT(1);

{

<ASTLabelType> _save_last_<treeLevel> = _last;

<ASTLabelType> _first_<treeLevel> = null;

```

<if(!rewriteMode)>
<ASTLabelType>
  root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 )<endif>
<if(root.el.rule)>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==Token.DOWN ) {
  match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
  <children:element()>
  match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain
  tokenRef) 'cept add
  * setting of _last
  */
tokenRefBang(token,label,elementIndex) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>

```

```

<if(backtracking)>if ( state.backtracking==0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( state.backtracking==0 )<endif>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions)
::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(..., postmatchCode={

```

```

<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<endif>
}
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite()> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(..., postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
}
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope)
::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>

```

```

<if(backtracking)>if ( state.backtracking==0 ) <endif>
<if(!rewriteMode)>
adaptor.addChild(root_<treeLevel>, <label>.getTree());
<else> <! rewrite mode !>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>.tree;
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 ) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.becomeRoot(<label>.getTree(), root_<treeLevel>);
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** Streams
for token refs are tree nodes now; override to
* change nextToken to nextNode.
*/
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanup() ::= <<
<super.ruleCleanup()>
<if(!rewriteMode)>
<if(backtracking)>if ( state.backtracking==0 ) {<\n><endif>
retval.tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
<if(backtracking)>}<endif>

```

<endif>

>>

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Perl5/ASTTreeParser.stg

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*/

/** Add an adaptor property that knows how to build trees */

@headerFile.members() ::= <<

/* @headerFile.members() */

pANTLR3_BASE_TREE_ADAPTOR adaptor;

pANTLR3_VECTOR_FACTORY vectors;

/* End @headerFile.members() */

>>

/** Install the tree adaptor interface pointer and anything else that

```

* tree parsers and producers require.
*/
@genericParser.apifuncs()
::= <<
<if(PARSER)>
ADAPTOR = ANTLR3_TREE_ADAPTORNew(instream->tstream->tokenSource->strFactory);<\n>
<endif>
ctx->vectors = antlr3VectorFactoryNew(0);
>>

@genericParser.cleanup() ::= <<
ctx->vectors->close(ctx->vectors);
<if(PARSER)>
/* We created the adaptor so we must free it
*/
ADAPTOR->free(ADAPTOR);
<endif>
>>

@returnScope.ruleReturnMembers() ::= <<

<super.ASTLabelType()> tree;

>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0;<\n>
>>

ruleInitializations() ::= <<
<super.ruleInitializations()>
root_0 = NULL;<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels:{it | <ASTLabelType> <it.label.text>_tree;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> <it.label.text>_tree;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it | pANTLR3_REWRITE_RULE_<rewriteElementType>_STREAM stream_<it>;};
separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it | pANTLR3_REWRITE_RULE_SUBTREE_STREAM stream_<it>;}; separator="\n">
>>

/* Note that we defer the actual creation of any rewrite streams we need here and just initialize

```

```

* them to NULL. This saves creating huge numbers of rewrite streams that cannot be used as only
* one alt will be taken in a rule, but we are declaring all the streams here. So we define
* a macro that contains the create code, then use this macro later to check if the stream
* has been created yet. Checking for NULL is almost free in C.
*/
ruleLabelInitializations() ::= <<
<super.ruleLabelInitializations()>
<ruleDescriptor.tokenLabels:{it | <it.label.text>_tree = NULL;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <it.label.text>_tree = NULL;}; separator="\n">

<ruleDescriptor.allTokenRefsInAltsWithRewrites
:{it | stream_<it> = NULL;
#define CREATE_stream_<it> if (stream_<it> == NULL) {stream_<it> =
antlr3RewriteRule<rewriteElementType>StreamNewAE(ADAPTOR,
RECOGNIZER, (pANTLR3_UINT8)"token <it>"); \} }; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
:{it | stream_<it> = NULL;
#define CREATE_stream_<it> if (stream_<it> == NULL) {stream_<it> =
antlr3RewriteRuleSubtreeStreamNewAE(ADAPTOR, RECOGNIZER, (pANTLR3_UINT8)"rule <it>"); \} };
separator="\n">

<if(ruleDescriptor.hasMultipleReturnValues)>
retval.tree = NULL;
<endif>
>>

/** a rule label including default value */
ruleLabelInitVal(label) ::= <<
<super.ruleLabelInitVal(...)>
<label.label.text>.tree = NULL;
>>

/** When doing auto AST construction, we must define some variables;
* These should be turned off if doing rewrites. This must be a "mode"
* as a rule could have both rewrite and AST within the same alternative
* block.
*/
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<endif>
<endif>
>>

@alt.initializations() ::= <<
<if(autoAST)>
<if(outerAlt)>

```



```

<if(!rewriteMode)>
root_0
= (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements
//
/** ID but track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) { <endif>CREATE_stream_<token>;
stream_<token>->add(stream_<token>, <label>, NULL);<if(backtracking)> }<endif><\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) { <endif>CREATE_stream_<token>;
stream_<token>->add(stream_<token>, <label>, NULL);<if(backtracking)> }<endif><\n>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) { <endif>CREATE_stream_<rule.name>;
stream_<rule.name>->add(stream_<rule.name>, <label>.tree, NULL);<if(backtracking)> }<endif>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelTrack(...)>

```

```

>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) { <endif>CREATE_stream_<rule.name>;
stream_<rule.name>->add(stream_<rule.name>, <label>.tree, NULL);<if(backtracking)> }<endif>
>>

/** ^(x+=rule ...) rewrite
*/
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelAST(...)>
>>

// RULE REF AST

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/* How to accumulate lists when we are doing rewrite tracking...
*/
listLabelTrack(label) ::= <<
/* listLabelTrack(label)
*/
if (list_<label> == NULL)
{
list_<label>=ctx->vectors->newVector(ctx->vectors);
}
list_<label>->add(list_<label>, <label>.tree, NULL);
>>

/* How to accumulate lists of rule outputs (only allowed with AST
* option but if the user is going to walk the tree, they will want
* all their custom elements from rule returns.
*
* Normally, we use inline structures (which the compiler lays down
* code to copy from heap allocations. However, here we want to accumulate copies
* of

```

the returned structures because we are adding them to a list. This only makes sense if the

- * grammar is not rewriting the tree as a tree rewrite only preserves the tree, not the object/structure
- * returned from the rule. The rewrite will extract the tree pointer. However, if we are not going to
- * do a tree re-write, then the user may wish to iterate the structures returned by the rule in
- * action code and will expect the user defined returns[] elements to be available when they do this.
- * Hence we cannot just preserve the tree that was returned. So, we must copy the local structure and provide
- * a function that can free the allocated space. We cannot know how to free user allocated elements and
- * presume that the user will know to do this using their own factories for the structures they allocate.

```
*/
listLabelAST(label) ::= <<
if (list_<label> == NULL)
{
    list_<label>=ctx->vectors->newVector(ctx->vectors);
}
{
    RETURN_TYPE_<label> * tcopy;

    tcopy = (RETURN_TYPE_<label>
*)ANTLR3_MALLOC(sizeof(RETURN_TYPE_<label>)); /* Note no memory allocation checks! */
    ANTLR3_MEMCPY((void *)tcopy, (const void *)<label>, sizeof(RETURN_TYPE_<label>));
    list_<label>->add(list_<label>, (void *)tcopy, freeScope); /* Add whatever the return type is */<n>
}
>>
```

// R e w r i t e

```
rewriteCode(
    alts,
    description,
    referencedElementsDeep, // ALL referenced elements to right of ->
    referencedTokenLabels,
    referencedTokenListLabels,
    referencedRuleLabels,
    referencedRuleListLabels,
    referencedWildcardLabels,
    referencedWildcardListLabels,
    rewriteBlockLevel,
    enclosingTreeLevel,
    treeLevel) ::=
<<
```

/* AST REWRITE

```
* elements      : <referencedElementsDeep; separator=", ">
* token labels   : <referencedTokenLabels; separator=", ">
* rule labels    : <referencedRuleLabels; separator=", ">
* token list labels : <referencedTokenListLabels; separator=", ">
* rule list labels : <referencedRuleListLabels;
```

```

separator=", ">
*/
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) <\n>
<endif>
{
<rewriteCodeLabelsDecl()>
<rewriteCodeLabelsInit()>
root_0    = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
<prevRuleRootRef()>.tree = root_0;
<alts:rewriteAlt(); separator="else ">
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef()>.tree = (<ASTLabelType>)(ADAPTOR->rulePostProcessing(ADAPTOR, root_0));
INPUT->replaceChildren(INPUT, ADAPTOR->getParent(ADAPTOR, retval.start),
    ADAPTOR->getChildIndex(ADAPTOR, retval.start),
    ADAPTOR->getChildIndex(ADAPTOR, _last),
    retval.tree);
<endif>
<endif>
<prevRuleRootRef()>.tree = root_0; // set result root
<rewriteCodeLabelsFree()>
}
>>

```

```

rewriteCodeLabelsDecl() ::= <<
<referencedTokenLabels
    :{it | pANTLR3_REWRITE_RULE_<rewriteElementType>_STREAM stream_<it>;}
    separator="\n"
>
<referencedTokenListLabels
    :{it | pANTLR3_REWRITE_RULE_<rewriteElementType>_STREAM
    stream_<it>;}
    separator="\n"
>
<referencedRuleLabels
    :{it | pANTLR3_REWRITE_RULE_SUBTREE_STREAM stream_<it>;}
    separator="\n"
>
<referencedRuleListLabels
    :{it | pANTLR3_REWRITE_RULE_SUBTREE_STREAM stream_<it>;}
    separator="\n"
>
>>

```

```

rewriteCodeLabelsInit() ::= <<
<referencedTokenLabels

```

```

:{it | stream_<it>=antlr3RewriteRule<rewriteElementType>StreamNewAEE(ADAPTOR, RECOGNIZER,
(pANTLR3_UINT8)"token <it>", <it>);};
separator="\n"
>
<referencedTokenListLabels
:{it | stream_<it>=antlr3RewriteRule<rewriteElementType>StreamNewAEE(ADAPTOR, RECOGNIZER,
(pANTLR3_UINT8)"token <it>", list_<it>); };
separator="\n"
>
<referencedRuleLabels
:{it | stream_<it>=antlr3RewriteRuleSubtreeStreamNewAEE(ADAPTOR, RECOGNIZER,
(pANTLR3_UINT8)"token <it>", <it>.tree != NULL ? <it>.tree : NULL);};
separator="\n"
>
<referencedRuleListLabels
:{it | stream_<it>=antlr3RewriteRuleSubtreeStreamNewAEE(ADAPTOR, RECOGNIZER,
(pANTLR3_UINT8)"token
<it>", list_<it>);};
separator="\n"
>
>>
rewriteCodeLabelsFree() ::= <<
<referencedTokenLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>); };
separator="\n"
>
<referencedTokenListLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);};
separator="\n"
>
<referencedRuleLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);};
separator="\n"
>
<referencedRuleListLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);};
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,
rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks

```

```

description) ::=
<<
// <fileName>:<description>
{
if ( <referencedElementsDeep:{el | (stream_<el> != NULL && stream_<el>->hasNext(stream_<el>)) };
separator="|| "> )
{
<alt>
}
<referencedElementsDeep:{el | if ( stream_<el> != NULL) stream_<el>->reset(stream_<el>);<n>}>
}<n>
}>>

rewriteClosureBlock(
alt,
rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
{
while ( <referencedElements:{el | (stream_<el> != NULL && stream_<el>->hasNext(stream_<el>)) }; separator="||
"> )
{
<alt>
}
<referencedElements:{el | if (stream_<el> != NULL) stream_<el>->reset(stream_<el>);<n>}>
}<n>
}>>

RewriteEarlyExitException() ::=
<<
CONSTRUCTEX();
EXCEPTION->type      = ANTLR3_REWRITE_EARLY_EXCEPTION;
EXCEPTION->name      = (void *)ANTLR3_REWRITE_EARLY_EXCEPTION_NAME;
}>>

rewritePositiveClosureBlock(
alt,
rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
if
(<referencedElements:{el | (stream_<el> == NULL || !stream_<el>->hasNext(stream_<el>)) }; separator="|| "> )
{
<RewriteEarlyExitException()>
}
}

```

```

else
{
while ( <referencedElements:{el | (stream_<el>->hasNext(stream_<el>)) }; separator="|| "> ) {
<alt>
}
<referencedElements:{el | stream_<el>->reset(stream_<el>);<\n>}>
}
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>)
{
<a.alt>
}<\n>
<else>
{
<a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = NULL; /* \<-- rewriteEmptyAlt() */"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
<root:rewriteElement()>
<children:rewriteElement()>
ADAPTOR->addChild(ADAPTOR, root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e)
::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

```

```

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextNode(stream_<label>));<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextNode(stream_<label>));<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRootToken(ADAPTOR, stream_<label> == NULL ?
NULL : stream_<label>->nextToken(stream_<label>), root_<treeLevel>));<\n>
>>

/** Gen ^($label ...) where label+=...
*/
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR,
<createRewriteNodeFromElement(...)>, root_<treeLevel>));<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR,
<createImaginaryNode(tokenType=token, ...)>, root_<treeLevel>));<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold
the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.

```



```

*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule,dup) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<rule> == NULL ? NULL : stream_<rule>-
>nextTree(stream_<rule>));<\n>
>>

rewriteRuleRefRoot(rule,dup) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, stream_<rule> == NULL ? NULL
: stream_<rule>->nextNode(stream_<rule>), root_<treeLevel>));<\n>
>>

rewriteNodeAction(action) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <action>, root_<treeLevel>));<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextTree(stream_<label>));<\n>
>>

/** Gen $ruleLabel ...
where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextTree(stream_<label>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, stream_<label> == NULL ? NULL
: stream_<label>->nextNode(stream_<label>), root_<treeLevel>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot((<ASTLabelType>)(stream_<label> == NULL
? NULL : stream_<label>->nextNode(stream_<label>), root_<treeLevel>));<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-

```

```

>nextTree(stream_<label>));<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<!
new MethodNode(IDLabel, args) !>
<terminalOptions.node>New(<tokenType><if(args)>, <args; separator=", "><endif>)
<else>
<if(args)>

#if <length(args)> == 2
(<ASTLabelType>)ADAPTOR->createTypeTokenText(ADAPTOR, <tokenType>, TOKTEXT(<args; separator=", ">))
#else
(<ASTLabelType>)ADAPTOR->createTypeText(ADAPTOR, <tokenType>, (pANTLR3_UINT8)<args;
separator=", ">)
#endif

<else>
(<ASTLabelType>)ADAPTOR->createTypeText(ADAPTOR, <tokenType>, (pANTLR3_UINT8)"<tokenType>")
<endif>
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<terminalOptions.node>New(stream_<token>->nextToken(stream_<token>)<if(args)>, <args; separator=", "><endif>)
<else>
<if(args)> <! must create new node from old !>

#if <length(args)> == 2
ADAPTOR->createTypeTokenText(ADAPTOR, <token>->getType(<token>, TOKTEXT(<token>, <args;
separator=", ">)) /* JIMI */
#else
ADAPTOR->createTypeToken(ADAPTOR, <token>->getType(<token>, <token>, <args;
separator=", ">)
#endif

<else>
stream_<token> == NULL ? NULL : stream_<token>->nextNode(stream_<token>)
<endif>
<endif>
>>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/C/AST.stg

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* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/ActionScript/ASTParser.stg

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python3/Dbg.stg

*

/opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python3/AST.stg

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/serialize.g

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Java/ASTParser.stg

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python/AST.stg

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*/

/*

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

group antlr;

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage()

::= "true"

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/templates/messages/formats/vs2005.stg

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 */

```
dfa(decisionRanks,states,edges,rankdir,startState,useBox) ::= <<
digraph NFA {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
nfa(decisionRanks,states,edges,rankdir,startState) ::= <<
digraph NFA {
rankdir=LR;
<decisionRanks;
separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states; separator=" "; >}
>>
```

```
edge(src,target,label,arrowhead) ::= <<
<src> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7, label = "<label>"<if(arrowhead)>, arrowhead =
<arrowhead><endif>];
>>
```

```
action-edge(src,target,label,arrowhead) ::= <<
```

```
<src> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7, label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
```

```
>>
```

```
epsilon-edge(src,target,label,arrowhead) ::= <<
```

```
<src> -> <target> [fontname="Times-Italic", label = "e"];
```

```
>>
```

```
state(name,useBox) ::= <<
```

```
node [fontsize=11, shape = <if(useBox)>box<else>circle, fixedsize=true, width=.4<endif>]; <name>
```

```
>>
```

```
stopstate(name,useBox) ::= <<
```

```
node [fontsize=11, shape = <if(useBox)>polygon,sides=4,peripheries=2<else>doublecircle, fixedsize=true, width=.6<endif>]; <name>
```

```
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/templates/dot/dot.stg
```

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```

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```

*/

/** Template overrides to add debugging to AST stuff. Dynamic inheritance
 * hierarchy is set up as ASTDbg : AST : Dbg : Python by code generator.
 */
group ASTDbg;

astAccessor() ::= <<
def setTreeAdaptor(self, adaptor):
<if(grammar.grammarIsRoot)>
    self._adaptor = DebugTreeAdaptor(self.dbg, adaptor)
<else>
    self._adaptor = adaptor # delegator sends dbg adaptor
<endif>
    <grammar.directDelegates:{g|<g:delegateName()>.setTreeAdaptor(self._adaptor)}>

def
getTreeAdaptor(self):
    return self._adaptor

adaptor = property(getTreeAdaptor, setTreeAdaptor)<\n>
>>

createListenerAndHandshake() ::= <<
proxy = DebugEventSocketProxy(self,
adaptor=<if(TREE_PARSER)>self.input.getTreeAdaptor()<else>self._adaptor<endif>,
    debug=debug_socket, port=port)
self.setDebugListener(proxy)
self.adaptor.setDebugListener(proxy)
self.input.setDebugListener(proxy)
#self.set<inputStreamType>(Debug<inputStreamType>(self.input, proxy))
proxy.handshake()
>>

@rewriteElement.pregen() ::= "self._dbg.location(<e.line>, <e.pos>)"

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Python3/ASTDbg.stg

```

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```

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```

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*/

/** Template subgroup to add template rewrite output

* If debugging, then you'll also get STDbg.stg loaded.

*/

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import stringtemplate3
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnInit() ::= <<
```

```
self.st = None
```

```
>>
```

```
@returnScope.ruleReturnMembers() ::= <<
```

```
def getTemplate(self):
```

```
    return self.st
```

```
def toString(self):
```

```
    if self.st is not None:
```

```
        return
```

```
        self.st.toString()
```

```
    return None
```

```
__str__ = toString
```

```
>>
```



```

@genericParser.init() ::= <<
<@super.init(>
self.templateLib = stringtemplate3.StringTemplateGroup(
  '<name>Templates', lexer='angle-bracket'
  )
>>

@genericParser.members() ::= <<
<@super.members(>
def setTemplateLib(self, templateLib):
  self.templateLib = templateLib

def getTemplateLib(self):
  return self.templateLib

>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.st})>
>>

rewriteTemplate(alts) ::= <<
# TEMPLATE REWRITE
<if(backtracking)>
if <actions.(actionScope).synpredgate>:
  <first(alts):rewriteTemplateAltFirst(>
  <rest(alts):{it | el<rewriteTemplateAlt(it)>}>
  <if(rewriteMode)><replaceTextInLine(><endif>

<else>
<first(alts):rewriteTemplateAltFirst(>
<rest(alts):{it | el<rewriteTemplateAlt(it)>}>
<if(rewriteMode)><replaceTextInLine(><endif>
<endif>
>>

replaceTextInLine()
::= <<
<if(TREE_PARSER)>
self.input.getTokenStream().replace(
  self.input.getTreeAdaptor().getTokenStartIndex(retval.start),
  self.input.getTreeAdaptor().getTokenStopIndex(retval.start),
  retval.st
  )
<else>

```

```

self.input.replace(
    retval.start.getTokenIndex(),
    self.input.LT(-1).getTokenIndex(),
    retval.st
)
<endif>
>>

```

```

rewriteTemplateAltFirst(alt) ::= <<
<if(alt.pred)>
if <alt.pred>:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<else>
# <alt.description>
retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteTemplateAlt(alt) ::= <<
<if(alt.pred)>if <alt.pred>:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<else>se:
    # <alt.description>
    retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteEmptyTemplate(alts) ::= <<
None
>>

```

/** Invoke a template with a set of attribute name/value pairs.

- * Set the value of the rule's template *after* having set
- * the attributes because the rule's
- template might be used as
- * an attribute to build a bigger template; you get a self-embedded
- * template.

*/

```

rewriteExternalTemplate(name,args) ::= <%
self.templateLib.getInstanceOf("<name>"<if(args)>, attributes={<args:{ a | "<a.name>": <a.value>}; separator="
">}<endif>
">
%>

```

```

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
self.templateLib.getInstanceOf(<expr><if(args)>, attributes={<args:{ a | "<a.name>": <a.value>}; separator=","
"><endif>})
%>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
stringtemplate3.StringTemplate("<template>", group=self.templateLib<if(args)>, attributes={<args:{ a |
"<a.name>": <a.value>}; separator="," "><endif>})
%>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

```

```

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>)[("<attrName>")]
= <expr>
>>

```

```

/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
stringtemplate3.StringTemplate(<stringExpr>, group=self.templateLib)
>>

```

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*/

/*

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

group antlr;

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<id> <text>"

report(location, message, type) ::= "<type><message.id>: <location> <message.text>"

wantsSingleLineMessage()

::= "false"

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/tool/templates/messages/formats/antlr.stg

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

/** Add a variable to track last element matched */

ruleDeclarations()

::= <<

<super.ruleDeclarations()>

<if(!ruleDescriptor.isSynPred)>

<ASTLabelType> _first_0 = null;

<ASTLabelType> _last = null;<\n>

<endif>

>>

/** What to emit when there is no rewrite rule. For auto build

* mode, does nothing.

*/

noRewrite(rewriteBlockLevel=false, treeLevel=false) ::= <<

<if(!ruleDescriptor.isSynPred)>

<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>

<if(rewriteMode)>

retval.tree = _first_0;

if (adaptor.getParent(retval.tree)!=null && adaptor.isNil(adaptor.getParent(retval.tree)))

retval.tree = (<ASTLabelType>)adaptor.getParent(retval.tree);

```

<endif>
<if(backtracking)>}<endif>
<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
     enclosingTreeLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
{
<ASTLabelType> _save_last_<treeLevel> = _last;
<ASTLabelType>
_first_<treeLevel> = null;
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
<if(root.el.rule)>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> =
(<ASTLabelType>)<root.el.label>.getTree();
<elseif(root.el.label)>
if ( _first_<enclosingTreeLevel>==null ) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==Token.DOWN ) {
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last
= _save_last_<treeLevel>;
}<\n>
<else>

```

```

<super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>
<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if
( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;
<endif>
<else>
<super.tokenRef(...)>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabel(elem=label,...)>
<else>

```

```

<super.tokenRefAndListLabel(...)>
<endif>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
<else>
<super.tokenRefRuleRoot(...)>
<endif>
>>

/**
Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
<else>
<super.tokenRefRuleRootAndListLabel(...)>
<endif>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.dupTree(<label>);
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;

```



```

<endif>
<else>
<super.wildcard(...)>
<endif>
>>

// SET AST

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={ })
 ::= <<
<if(!ruleDescriptor.isSynPred)>
  _last = (<ASTLabelType>)input.LT(1);
  <super.matchSet(postmatchCode={
  <if(!rewriteMode)>
  <if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
  <if(terminalOptions.node)>
  <label>_tree = new <terminalOptions.node>(<label>);
  <else>
  <label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
  <endif><\n>
  adaptor.addChild(root_<treeLevel>, <label>_tree);
  <if(backtracking)>\}<endif>
  <endif>
  }, ...
  )>
  <else>
  <super.matchSet(...)>
  <endif>
  >>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
<endif>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
  _last = (<ASTLabelType>)input.LT(1);
  <super.matchSet(...)>
  <else>
  <super.matchSetBang(...)>
  <endif>
  >>

```

```

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={ })
 ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSetRuleRoot(...)>
<endif>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>
<if(!rewriteMode)>
adaptor.addChild(root_<treeLevel>, <label>.getTree());
<else> <! rewrite mode !>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = (<ASTLabelType>)<label>.getTree();
<endif>
<else>
<super.ruleRef(...)>
<endif>
>>

/**
x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRef(...)>
<listLabel(label, {<label>.getTree()})>
<else>
<super.ruleRefAndListLabel(...)>
<endif>

```

```

>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.becomeRoot(<label>.getTree(), root_<treeLevel>);
<endif>
<else>
<super.ruleRefRuleRoot(...)>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.getTree()})>
<else>
<super.ruleRefRuleRootAndListLabel(...)>
<endif>
>>

/**
rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRootTrack(...)>

```

```

<else>
<super.ruleRefRootTrack(...)>
<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/**
Streams for token refs are tree nodes now; override to
* change nextToken to nextNode.
*/
createRewriteNodeFromElement(token,args,terminalOptions={}) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<\n><endif>
retval.tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Java/ASTTreeParser.stg

```

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```

/*

```

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*/

group Perl5;

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.

*/

```
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,  
           docComment, recognizer,  
           name, tokens, tokenNames, rules, cyclicDFAs,  
           bitsets, buildTemplate, buildAST, rewriteMode, profile,  
           backtracking, synpreds, memoize, numRules,  
           fileName, ANTLRVersion,  
           generatedTimestamp, trace,  
           scopes, superClass, literals) ::=
```

```
<<
```

```
# $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>  
<actions.(actionScope).header>
```

```
<@imports>
```

```
<if(TREE_PARSER)>
```

```
<endif>
```

```
<if(backtracking)>
```

```
<endif>
```

```
<@end>
```

```

<docComment>
<recognizer>
>>

lexer(grammar, name, tokens, scopes, rules, numRules, labelType="Token",
    filterMode, superClass="ANTLR::Runtime::Lexer") ::= <<
package <name>;

use Carp;
use English qw( -no_match_vars );
use Readonly;
use Switch;

use ANTLR::Runtime::BaseRecognizer;
use ANTLR::Runtime::DFA;
use ANTLR::Runtime::NoViableAltException;

use Moose;

extends 'ANTLR::Runtime::Lexer';

Readonly my $HIDDEN => ANTLR::Runtime::BaseRecognizer->HIDDEN;
sub HIDDEN { $HIDDEN }

use constant {
    <tokens: { <it.name> => <it.type>, }; separator="\n">
};
<scopes: { <if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif> }>
<actions.lexer.members>

sub BUILD {
    my ($self, $arg_ref) = @_ ;

    $self->init_dfas();
}

sub get_grammar_file_name {
    return "<fileName>";
}

<if(filterMode)>
<filteringNextToken()>
<endif>
<rules; separator="\n\n">

<synpreds: { p | <lexerSynpred(p)> }>

<cyclicDFAs: { dfa | has 'dfa<dfa.decisionNumber>'; }; separator="\n">

```

```

sub init_dfas {
    my ($self) = @_;

    <cyclicDFAs:{ dfa |
    $self->dfa<dfa.decisionNumber>(<name>::DFA<dfa.decisionNumber>->new({ recognizer => $self }));
    }; separator="\n">

    return;
}

<cyclicDFAs:cyclicDFA(> <! dump tables for all DFA !>

no Moose;
__PACKAGE__->meta->make_immutable();
1;

>>

perlTypeInitMap ::= [
    "$":"undef",
    "@":"()",
    "%":"()",
    default:"undef"
]

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at
 * backtracking==1.
 */
filteringNextToken() ::= <<
public Token nextToken() {
    while (true) {
        if ( input.LA(1)==CharStream.EOF ) {
            return Token.EOF_TOKEN;
        }
        token = null;
channel = Token.DEFAULT_CHANNEL;
        tokenStartCharIndex = input.index();
        tokenStartCharPositionInLine = input.getCharPositionInLine();
        tokenStartLine = input.getLine();
text = null;
        try {
            int m = input.mark();
            backtracking=1; <! means we won't throw slow exception !>

```

```

failed=false;
mTokens();
backtracking=0;
<! mTokens backtracks with synpred at backtracking==2
  and we set the synpredgate to allow actions at level 1. !>
if ( failed ) {
  input.rewind(m);
  input.consume(); <! advance one char and try again !>
}
else {
  emit();
  return token;
}
}
}
catch (RecognitionException re) {
  // shouldn't happen in backtracking mode, but...
  reportError(re);
  recover(re);
}
}
}

public void memoize(IntStream input,
  int ruleIndex,
  int ruleStartIndex)
{
if ( backtracking>1 ) super.memoize(input, ruleIndex, ruleStartIndex);
}

public boolean alreadyParsedRule(IntStream input, int ruleIndex) {
if ( backtracking>1 ) return super.alreadyParsedRule(input, ruleIndex);
return false;
}
>>

actionGate() ::= "$self->state->backtracking==0"

filteringActionGate() ::= "backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
  bitsets, inputStreamType, superClass, filterMode,
  ASTLabelType="Object", labelType, members) ::= <<
package <name>;

use English qw( -no_match_vars );
use Readonly;

```



```

use Switch;
use Carp;
use ANTLR::Runtime::BitSet;

use Moose;

extends
'<@superClassName><superClass><@end>';

readonly my $token_names => [
    "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
];

use constant {
    <tokens:{ <it.name> => <it.type>, }; separator="\n">
};

<bitsets:bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
    words64=it.bits)>

<scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<@members>
<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>

sub BUILD {
    my ($self, $arg_ref) = @_;

    <if(backtracking)>
        $self->state->rule_memo({});<\n>
    <endif>
}
<@end>

sub get_token_names {
    return $token_names;
}

sub get_grammar_file_name {
    return "<fileName>";
}

<members>

<rules; separator="\n\n">

<synpreds:{p | <synpred(p)>}>

<cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = __PACKAGE__::DFA<dfa.decisionNumber>->new($self);};

```

```

separator="\n">
<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

no
Moose;
__PACKAGE__->meta->make_immutable();
1;
__END__
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType,
superClass="ANTLR::Runtime::Parser", labelType="ANTLR::Runtime::Token",
members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ANTLR::Runtime::TokenStream", ...)>
>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.
*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules, numRules, bitsets,
labelType={<ASTLabelType>}, ASTLabelType="Object", superClass="ANTLR::Runtime::TreeParser",
members={<actions.treeparser.members>}, filterMode) ::= <<
<genericParser(inputStreamType="TreeNodeStream", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
*
any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
# $ANTLR start <ruleName>
sub <ruleName>_fragment {
# <ruleDescriptor.parameterScope:parameterScope(scope=it)>

<if(trace)>
$Self->traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
eval {
    <block>
};
$Self->traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
if ($EVAL_ERROR) {
    croak $EVAL_ERROR;
}

```

```

<else>
  <block>
<endif>
}
# $ANTLR end <ruleName>
>>

synpred(name) ::= <<
public final boolean <name>() {
  backtracking++;
  <@start()>
  int start = input.mark();
  try {
    <name>_fragment(); // can never throw exception
  } catch (RecognitionException re) {
    System.err.println("impossible: "+re);
  }
  boolean success = !failed;
  input.rewind(start);
  <@stop()>
  backtracking--;
  failed=false;
  return success;
}<\n>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if ( backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>) ) { return <ruleReturnValue()>; }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>
if ($self->state->failed) {
  return <ruleReturnValue()>;
}
<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (backtracking>0) { failed=true; return <ruleReturnValue()>;}<endif>

```

>>

```
/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

#
$ANTLR start <ruleName>
# <fileName>:<description>
sub <ruleName>() {
  my ($self, <ruleDescriptor.parameterScope:parameterScope(scope=it)>) = @_ ;
  <if(trace)>$self->traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  <ruleLabelDefs()>
  <ruleDescriptor.actions.init>
  <@preamble()>
  eval {
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp()>
    <(ruleDescriptor.actions.after):execAction()>
  };
  <if(exceptions)>
    <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
  <else>
  <if(!emptyRule)>
  <if(actions.(actionScope).rulecatch)>
    <actions.(actionScope).rulecatch>
  <else>
    my $exception = $EVAL_ERROR;
    if (ref $exception && $exception->isa('ANTLR::Runtime::RecognitionException')) {
      $self->report_error($exception);
      $self->recover($self->input, $exception);
      $exception = undef;
    }<\n>
  <endif>
  <endif>
  <endif>
  <if(trace)>$self->traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
  <memoize()>
  <ruleScopeCleanUp()>
  <finally>
  if ($exception) {
    croak $exception;
  }
}
```

```

        # $exception->rethrow();
    }
    <@postamble()>
    return <ruleReturnValue()>;
}
# $ANTLR end <ruleName>
>>

catch(decl,action) ::= <<
catch (<e.decl>) {
    <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
my $retval = <returnType()->new();
$retval->set_start($self->input->LT(1));<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
my $<a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
my $<ruleDescriptor.name>_start_index = $self->input->index();
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { <it>_stack.push(new <it>_scope()); }; separator="\n">
<ruleDescriptor.ruleScope: { <it.name>_stack.push(new <it.name>_scope()); };
separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { <it>_stack.pop(); }; separator="\n">
<ruleDescriptor.ruleScope: { <it.name>_stack.pop(); }; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
: { my $<it.label.text> = undef; }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
: { List list_<it.label.text>=null; }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(label=it); separator="\n">
<ruleDescriptor.ruleListLabels: { ll|RuleReturnScope <ll.label.text> = null; }; separator="\n">

```

>>

```
lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {<labelType> <it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.charLabels: {my $<it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {List list_<it.label.text>=null;};
separator="\n"
>
>>
```

```
ruleReturnValue() ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
$<ruleDescriptor.singleValueReturnName>
<else>
$retval
<endif>
<endif>
<endif>
>>
```

```
ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
$retval->set_stop($self->input->LT(-1));<\n>
<endif>
<endif>
>>
```

```
memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if ( backtracking>0 ) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_startIndex); }
<endif>
<endif>
>>
```

```
/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
```

```

lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
# $ANTLR start <ruleName>
sub m_<ruleName> {
# <ruleDescriptor.parameterScope:parameterScope(scope=it)>
  my ($self) = @_;
  <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
  <ruleDeclarations()>
  eval {
<if(nakedBlock)>
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block><\n>
<else>
  my $_type = <ruleName>;
  my $_channel = $self->DEFAULT_TOKEN_CHANNEL;
  <ruleMemoization(name=ruleName)>
  <lexerRuleLabelDefs()>
  <ruleDescriptor.actions.init>
  <block>
  <ruleCleanUp()>
  $self->state->type($_type);
  $self->state->channel($_channel);
  <(ruleDescriptor.actions.after):execAction()>
<endif>
  };
  <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
  <memoize()>

  if ($EVAL_ERROR) {
    croak $EVAL_ERROR;
  }
}
# $ANTLR end <ruleName>
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
sub m_tokens {
  my ($self) = @_;
  <block><\n>
}
>>

//

```

S U B R U L E S

*/** A (...) subrule with multiple alternatives */*

```
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
# <fileName>:<description>
my $alt<decisionNumber> = <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
switch ($alt<decisionNumber>) {
  <alts:altSwitchCase()>
}
<@postbranch()>
>>
```

*/** A rule block with multiple alternatives */*

```
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
# <fileName>:<description>
my $alt<decisionNumber> = <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
switch ($alt<decisionNumber>) {
  <alts:altSwitchCase()>
}
>>
```

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

```
# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>
```

*/** A special case of a (...) subrule with a single alternative */*

```
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description)
::= <<
# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>
```



```

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,descriptio
n) ::= <<
# <fileName>:<description>
my $cnt<decisionNumber> = 0;
<decls>
<@preloop()>
LOOP<decisionNumber>:
while (1) {
  my $alt<decisionNumber> = <maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch ($alt<decisionNumber>) {
    <alts:altSwitchCase()>
  }
  else {
    if ( $cnt<decisionNumber> >= 1 ) { last LOOP<decisionNumber> }
    <ruleBacktrackFailure()>
    my $eee =
      ANTLR::Runtime::EarlyExitException->new(<decisionNumber>, $self->input);
    <@earlyExitException()>
    croak $eee;
  }
}
++$cnt<decisionNumber>;
}
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt
::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
# <fileName>:<description>
<decls>
<@preloop()>
LOOP<decisionNumber>:
while (1) {
  my $alt<decisionNumber> = <maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch ($alt<decisionNumber>) {
    <alts:altSwitchCase()>
  }
  else { last LOOP<decisionNumber> }
}

```

```

}
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase() ::= <<
case <i> {
  <@prealt()>
  <it>
}<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
# <fileName>:<description>
{
  <@declarations()>
  <elements:element()>
  <rew>
  <@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element() ::= <<
<@prematch()>
<it.el><\n>
>>

```

```

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>$<label> =<endif>$self->match($self->input, <token>,
$FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem)
::= <<
if (list_<label>==null) list_<label>=new ArrayList();
list_<label>.add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = $self->input->LA(1);<\n>
<endif>
$self->match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = $self->input->LA(1);<\n>
<endif>
$self->match_range(<a>,<b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= $self->input->LA(1);<\n>
<else>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
<endif>
<endif>
if ( <s> ) {
    $self->input->consume();
    <postmatchCode>
<if(!LEXER)>

```

```

    $self->state->error_recovery(0);
<endif>
    <if(backtracking)>failed=false;<endif>
}
else {
    <ruleBacktrackFailure()>
    my $mse =
        ANTLR::Runtime::MismatchedSetException->new(undef, $self->input);
    <@mismatchedSetException()>
<if(LEXER)>
    $self->recover($mse);
    $mse->throw();
<else>
    $mse->throw();
    <! use following code to make it recover inline; remove throw mse;
    $self->recoverFromMismatchedSet($self->input, $mse, $FOLLOW_set_in_<ruleName><elementIndex>);
    !>
<endif>
}<\n>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */

```

```

lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
int <label>Start = getCharIndex();
$self->match(<string>); <checkRuleBacktrackFailure()>
<labelType> <label> = new CommonToken(input, Token.INVALID_TOKEN_TYPE,
Token.DEFAULT_CHANNEL, <label>Start, getCharIndex()-1);
<else>
$self->match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(label,elementIndex) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(label,elementIndex)

```

```

 ::= <<
 <wildcard(...)>
 <listLabel(elem=label,...)>
 >>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
 <if(label)>
 <label> = $self->input->LA(1);<\n>
 <endif>
 matchAny(); <checkRuleBacktrackFailure()>
 >>

wildcardCharListLabel(label, elementIndex) ::= <<
 <wildcardChar(...)>
 <listLabel(elem=label,...)>
 >>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
 $self->push_follow($FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
 <if(label)>
 $<label> = $self-><rule.name>(<args; separator=" ">);<\n>
 <else>
 $self-><rule.name>(<args; separator=" ">);<\n>
 <endif>
 $self->state->_fsp($self->state->_fsp - 1);
 <checkRuleBacktrackFailure()>
 >>

/** ids+=1 */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 <ruleRef(...)>
 <listLabel(elem=label,...)>
 >>

/**
 A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
 <if(label)>
 int <label>Start<elementIndex> = getCharIndex();

```

```

$self->m_<rule>(<args; separator=" ">; <checkRuleBacktrackFailure()>
<label> = new CommonToken(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1);
<else>
$self->m_<rule.name>(<args; separator=" ">; <checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
match(EOF); <checkRuleBacktrackFailure()>
<labelType> <label> = new CommonToken(input,
EOF, Token.DEFAULT_CHANNEL, <label>Start<elementIndex>, getCharIndex()-1);
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==Token.DOWN ) {
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<

```

```

if ( !( <evalPredicate(...) > ) ) {
    <ruleBacktrackFailure() >
    throw new FailedPredicateException(input,
    "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls">
else {
<if(eotPredictsAlt)>
    $alt<decisionNumber> = <eotPredictsAlt>;
<else>
    <ruleBacktrackFailure() >
    my $nvae =
        ANTLR::Runtime::NoViableAltException->new({
            grammar_decision_description => "<description>",
            decision_number => <decisionNumber>,
            state_number => <stateNumber>,
            input => $self->input,
        });<\n>
    <@noViableAltException() >
    croak $nvae;<\n>
<endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's
 * it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls">
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

```

```

my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls"><\n>
<if(eotPredictsAlt)>
<if(!edges)>
$alt<decisionNumber> = <eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
    $alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted
 */
dfaAcceptState(alt) ::= "$alt<decisionNumber> = <alt>;"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif> ) {
    <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( $self->input->LA(<k> ) ) {
    <edges; separator="\n">
    else {
    <if(eotPredictsAlt)>
        $alt<decisionNumber> = <eotPredictsAlt>;
    <else>
        <ruleBacktrackFailure()>
    my $nvae =
        ANTLR::Runtime::NoViableAltException->new({
            grammar_decision_description => "<description>",
            decision_number => <decisionNumber>,
            state_number => <stateNumber>,
            input => $self->input,
        });<\n>
        <@noViableAltException()>

```



```

        croak $nvae;<\n>
    <endif>
}
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( $self->input->LA(<k> ) ) {
    <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( $self->input->LA(<k> ) ) {
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
else { $alt<decisionNumber> = <eotPredictsAlt> }<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
case [<labels:{ <it> }; separator=", ">] { <targetState> }
>>

// C y c l i c   D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited
 * via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
$alt<decisionNumber> = $self->dfa<decisionNumber>->predict($self->input);
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
Readonly my $DFA<dfa.decisionNumber>_eot => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedEOT; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_eof => ANTLR::Runtime::DFA->unpack_rle([

```

```

<dfa.javaCompressedEOF; separator=", "> ]);
Readonly my $DFA<dfa.decisionNumber>_min => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedMin; separator=", "> ]);
Readonly my $DFA<dfa.decisionNumber>_max
=> ANTLR::Runtime::DFA->unpack_rle([ <dfa.javaCompressedMax; separator=", "> ]);
Readonly my $DFA<dfa.decisionNumber>_accept => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedAccept; separator=", "> ]);
Readonly my $DFA<dfa.decisionNumber>_special => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedSpecial; separator=", "> ]);
Readonly my $DFA<dfa.decisionNumber>_transition => [
<dfa.javaCompressedTransition:{s|ANTLR::Runtime::DFA->unpack_rle([ <s; separator=", "> ])}; separator=", "> ];

{
package <name>::DFA<dfa.decisionNumber>;
use ANTLR::Runtime::Class;

use strict;
use warnings;

extends 'ANTLR::Runtime::DFA';

sub BUILD {
my $self = shift;
my $param_ref = __PACKAGE__->unpack_params(@_, {
spec => [
{
name => 'recognizer',
isa => 'ANTLR::Runtime::BaseRecognizer'
},
]
});

$self->recognizer($param_ref->{recognizer});
$self->decision_number(<dfa.decisionNumber>);
$self->eot($DFA<dfa.decisionNumber>_eot);
$self->eof($DFA<dfa.decisionNumber>_eof);
$self->min($DFA<dfa.decisionNumber>_min);
$self->max($DFA<dfa.decisionNumber>_max);
$self->accept($DFA<dfa.decisionNumber>_accept);
$self->special($DFA<dfa.decisionNumber>_special);
$self->transition($DFA<dfa.decisionNumber>_transition);
}

sub get_description {
return "<dfa.description>";
}

<@errorMethod()>

```

```

<if(dfa.specialStateSTs)>
sub special_state_transition {
  my ($self, $param_ref) = unpack_params(@_, {
    spec => [
      {
        name => 's',
        type => SCALAR,
      },
      {
        name => 'input',
        isa => 'ANTLR::Runtime::IntStream',
      }
    ]
  });
  my $s = $param_ref->{s};
  my $input = $param_ref->{input};

  switch ($s) {
    <dfa.specialStateSTs:{state |
      case <i0> \{ <! compressed special
state numbers 0..n-1 !>
        <state>; separator="\n">
      }
    }
  }

<if(backtracking)>
  if ($self->state->backtracking > 0) {
    $self->state->failed = 1;
    return -1;
  }<\n>
<endif>

  my $nvae =
    ANTLR::Runtime::NoViableAltException->new({
      grammar_decision_description => $self->get_description(),
      decision_number => <dfa.decisionNumber>,
      state_number => $s,
      input => $input,
    });<\n>
    $self->error($nvae);
    $nvae->throw();
  }<\n>
<endif>
}<\n>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on

```

```

* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
my $input = $self->input;
my $LA<decisionNumber>_<stateNumber> = $input->LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
my $index<decisionNumber>_<stateNumber> = $input->index();
$input->rewind();<\n>
<endif>
s
= -1;
<edges; separator="\nls">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);<\n>
<endif>
if ( s>=0 ) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
* state to jump to next if successful.
*/
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif> ) { s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
* always jump to the target.
*/
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left> && <right>"

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description)
::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "$LA<decisionNumber>_<stateNumber> eq <atom>"

```

```

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "$self->input->LA(<k>) eq <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
($LA<decisionNumber>_<stateNumber> ge <lower> && $LA<decisionNumber>_<stateNumber> le <upper>)
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "($self->input->LA(<k>) ge
<lower> && $self->input->LA(<k>) le <upper>)"

setTest(ranges) ::= "<ranges; separator=\\\" || \\\">"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
  <scope.attributes: {<it.decl>;}; separator= "\\n">
}
protected Stack <scope.name>_stack = new Stack();<\n>
<endif>
>>

ruleAttributeScope(scope)
::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
  <scope.attributes: {<it.decl>;}; separator= "\\n">
}
protected Stack <scope.name>_stack = new Stack();<\n>
<endif>
>>

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.name>_return
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

```

```

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "undef".
 */
initValue(typeName) ::= <<
<if(typeName)>
<perlTypeInitMap.(typeName)>
<else>
undef
<endif>
>>

/**
Define a rule label including default value */
ruleLabelDef(label) ::= <<
my $<label.label.text> = <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
{
package <returnType()>;
use ANTLR::Runtime::Class;

extends 'ANTLR::Runtime::<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope';

<scope.attributes:{public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>

```

```

>>

parameterScope(scope) ::= <<
<scope.attributes:{<it.name>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>";

scopeAttributeRef(scope,attr,index,negIndex) ::= <<
<if(negIndex)>
((<scope>_scope)<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1)).<attr.name>
<else>
<if(index)>
((<scope>_scope)<scope>_stack.elementAt(<index>)).<attr.name>
<else>
((<scope>_scope)<scope>_stack.peek()).<attr.name>
<endif>
<endif>
>>

scopeSetAttributeRef(scope,attr,expr,index,negIndex)
::= <<
<if(negIndex)>
((<scope>_scope)<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1)).<attr.name> =<expr>;
<else>
<if(index)>
((<scope>_scope)<scope>_stack.elementAt(<index>)).<attr.name> =<expr>;
<else>
((<scope>_scope)<scope>_stack.peek()).<attr.name> =<expr>;
<endif>
<endif>
>>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
$<scope>.<attr.name>
<else>
$<scope>
<endif>
>>

```

```

returnAttributeRef(ruleDescriptor,attr)
 ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
$<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>;
<else>
$<attr.name> =<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "$<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "$<scope>->get_text()"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.getType()"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.getLine()"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.getCharPositionInLine()"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.getChannel()"
tokenLabelPropertyRef_index(scope,attr)
 ::= "<scope>.getTokenIndex()"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "((<labelType>)<scope>.start)"
ruleLabelPropertyRef_stop(scope,attr) ::= "((<labelType>)<scope>.stop)"
ruleLabelPropertyRef_tree(scope,attr) ::= "((<ASTLabelType>)<scope>.tree)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start))
<else>
substr($self->input, $<scope>->start, $<scope>->stop)
<endif>
>>

```



```

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "$<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>.getType()"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>.getLine()"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>.getCharPositionInLine()"
lexerRuleLabelPropertyRef_channel(scope,attr)
::= "<scope>.getChannel()"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>.getTokenIndex()"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>.getText()"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "((<labelType>)retval.start)"
rulePropertyRef_stop(scope,attr) ::= "((<labelType>)retval.stop)"
rulePropertyRef_tree(scope,attr) ::= "((<ASTLabelType>)retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "$_type"
lexerRulePropertyRef_line(scope,attr) ::= "tokenStartLine"
lexerRulePropertyRef_pos(scope,attr)
::= "tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "$_channel"
lexerRulePropertyRef_start(scope,attr) ::= "tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_self(scope,attr) ::= "$self"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>;"

/** How to execute an action */
execAction(action) ::= <<

```

```

<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if ( <actions.(actionScope).synpredgate> ) {
  <action>
}
<else>
if ( backtracking==0 ) {
  <action>
}
<endif>
<else>
<action>
<endif>
>>

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
Readonly my $<name> => ANTLR::Runtime::BitSet->new({ words64 => [ <words64:{'<it'>'};separator=",
"> ] });<\n>
>>

codeFileExtension() ::= ".pm"

true() ::= "1"
false() ::= "0"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Perl5/Perl5.stg
No license file was found, but licenses were detected in source scan.

/*
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```

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*/

/*

* This code generating template and the associated Cpp runtime was produced by:

* Gokulakannan Somasundaram (heavy lifting from C Run-time by Jim Idle)

*/

cTypeInitMap ::= [

"int" : "0", // Integers start out being 0

"long" : "0", // Longs start out being 0

"float" : "0.0", // Floats start out being 0

"double" : "0.0", // Doubles

start out being 0

"bool" : "false", // Booleans start out being Antlr C for false

"byte" : "0", // Bytes start out being 0

"short" : "0", // Shorts start out being 0

"char" : "0" // Chars start out being 0

]

leadIn(type) ::=

<<

/** \file

* This <type> file was generated by \$ANTLR version <ANTLRVersion>

*

* - From the grammar source file : <fileName>

* - On : <generatedTimestamp>

<if(LEXER)>

* - for the lexer : <name>Lexer

<endif>

<if(PARSER)>

* - for the parser : <name>Parser

<endif>

<if(TREE_PARSER)>

* - for the tree parser : <name>TreeParser

<endif>

*

* Editing it, at least manually, is not wise.

*

```

* C++ language generator and runtime by Gokulakannan Somasundaram ( heavy lifting from C Run-time by Jim
Idle )
*
*
>>

/** The overall file structure of a recognizer;
stores methods for rules
* and cyclic DFAs plus support code.
*/
outputFile( LEXER,
    PARSEr,
    TREE_PARSEr,
    actionScope,
    actions,
    docComment,
    recognizer,
    name,
    tokens,
    tokenNames,
    rules,
    cyclicDFAs,
    bitsets,
    buildTemplate,
    buildAST,
    rewriteMode,
    profile,
    backtracking,
    synpreds,
    memoize,
    numRules,
    fileName,
    ANTLRVersion,
    generatedTimestamp,
    trace,
    scopes,
    superClass,
    literals
) ::=

<<
<leadIn("C++ source")>
*/
// [The "BSD license"]
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//
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//
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```

```

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```

```
<if(actions.(actionScope).header)>
```

```
/* =====
```

```
* This is what the grammar programmer asked us to put at the top of every file.
```

```
*/
```

```
<actions.(actionScope).header>
```

```
/* End of Header action.
```

```
* =====
```

```
*/
```

```
<endif>
```

```
/* -----
```

```
* Include the ANTLR3 generated header file.
```

```
*/
```

```
#include "<name>.hpp"
```

```
<if(recognizer.grammar.delegators)>
```

```
// Include delegator definition header files
```

```
//
```

```
<recognizer.grammar.delegators: {g|#include "<g.recognizerName>.hpp" }; separator="\n">
```

```
<endif>
```

```
<actions.(actionScope).postinclude>
```

```
/*
```

```
----- */
```

```

<docComment>

<if(literals)>

<beginNamespace(actions)>

/** String literals used by <name> that we must do things like MATCHS() with.
 * C will normally just lay down 8 bit characters, and you can use L"xxx" to
 * get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
 * we perform this little trick of defining the literals as arrays of UINT32
 * and passing in the address of these.
 */
<literals:{it | static ANTLR_UCHAR lit_<i>[] = <it>;}; separator="\n">

<endNamespace(actions)>

<endif>

/* ===== */

/* =====
 * Start of recognizer
 */

<recognizer>

/* End of code
 * =====
 */

>>
headerFileExtension() ::= ".hpp"

beginNamespace(actions)
 ::= <<
 <if(actions.(actionScope).namespace)>
 namespace <actions.(actionScope).namespace> {
 <endif>
 >>

endNamespace(actions) ::= <<
 <if(actions.(actionScope).namespace)>
 }
 <endif>
 >>

headerFile( LEXER,

```

```

    PARSER,
    TREE_PARSER,
    actionScope,
    actions,
    docComment,
    recognizer,
    name,
    tokens,
    tokenNames,
    rules,
    cyclicDFAs,
    bitsets,
    buildTemplate,
    buildAST,
    rewriteMode,
    profile,
    backtracking,
    synpreds,
    memoize,
    numRules,
    fileName,
    ANTLRVersion,
    generatedTimestamp,
    trace,
    scopes,
    superClass,
    literals
) ::=

```

```
<<
```

```
<leadIn("C++ header")>
```

```
<if(PARSER)>
```

```
* The parser <mainName()>
```

```
<endif>
```

```
<if(LEXER)>
```

```
* The lexer <mainName()>
```

```
<endif>
```

```
<if(TREE_PARSER)>
```

```
* The tree parser <mainName()>
```

```
<endif>
```

has the callable functions (rules) shown below,

- * which will invoke the code for the associated rule in the source grammar

- * assuming that the input stream is pointing to a token/text stream that could begin

- * this rule.

- *

- * For instance if you call the first (topmost) rule in a parser grammar, you will

- * get the results of a full parse, but calling a rule half way through the grammar will

- * allow you to pass part of a full token stream to the parser, such as for syntax checking

- * in editors and so on.

```

*
*/
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//
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#ifndef _<name>_H
#define _<name>_H
<actions.(actionScope).preincludes>
/* =====
* Standard antlr3 C++ runtime definitions
*/
#include \<antlr3.hpp>

/* End of standard antlr 3 runtime definitions
* =====
*/

<actions.(actionScope).includes>

<if(recognizer.grammar.delegates)>
// Include delegate definition header files
//

```



```

<recognizer.grammar.delegates: {g|#include "<g.recognizerName>.hpp"}; separator="\n">

<endif>

<actions.(actionScope).header>

#ifdef WIN32
// Disable: Unreferenced parameter, - Rules with parameters that are not used
// constant conditional, - ANTLR realizes that a prediction is always true (synpred usually)
// initialized
// but unused variable - tree rewrite variables declared but not needed
// Unreferenced local variable - lexer rule declares but does not always use _type
// potentially uninitialized variable used - retval always returned from a rule
// unreferenced local function has been removed - susually getTokenNames or freeScope, they can go without
warnigns
//
// These are only really displayed at warning level /W4 but that is the code ideal I am aiming at
// and the codegen must generate some of these warnings by necessity, apart from 4100, which is
// usually generated when a parser rule is given a parameter that it does not use. Mostly though
// this is a matter of orthogonality hence I disable that one.
//
#pragma warning( disable : 4100 )
#pragma warning( disable : 4101 )
#pragma warning( disable : 4127 )
#pragma warning( disable : 4189 )
#pragma warning( disable : 4505 )
#pragma warning( disable : 4701 )
#endif
<if(backtracking)>

/*
=====
* BACKTRACKING IS ENABLED
* =====
*/
<endif>

<beginNamespace(actions)>

<if(recognizer.grammar.delegators)>
// Include delegator definition classes
//
<recognizer.grammar.delegators: {g|class <g.recognizerName>; }; separator="\n">
<endif>

<actions.(actionScope).traits>
typedef <name>Traits <name>ImplTraits;

```

```

<rules:{r | <if(r.ruleDescriptor.isSynPred)> struct <r.ruleDescriptor.name> {\}; <endif>}; separator="\n">
<rules:{r |<headerReturnScope(ruleDescriptor=r.ruleDescriptor,...)>}>

class <name>Tokens
{
public:
/** Symbolic definitions of all the tokens that the <grammarType()> will work with.
 * \{
 *
 * Antlr will define EOF, but we can't use that as it is too common in
 * in C header files and that would be confusing. There is no way to filter this out at the moment
 * so we just undef it here for now. That isn't the value we get back from C recognizers
 * anyway. We are looking for ANTLR_TOKEN_EOF.

 */
enum Tokens
{
EOF_TOKEN = <name>ImplTraits::CommonTokenType::TOKEN_EOF
<tokens:{it | , <it.name> = <it.type> }; separator="\n">
};

};

/** Context tracking structure for <mainName()>
 */
class <name> : public <componentBaseType()>, public <name>Tokens
{
public:
typedef <name>ImplTraits ImplTraits;
typedef <name> ComponentType;
typedef ComponentType::StreamType StreamType;
typedef <componentBaseType()> BaseType;
typedef ImplTraits::RecognizerSharedStateType\<StreamType> RecognizerSharedStateType;
typedef StreamType InputType;
<if(recognizer.filterMode)>
static const bool IsFiltered = true;
<else>
static const bool IsFiltered = false;
<endif>

<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDecl(it)><endif>}>
<rules:{r |<ruleAttributeScopeDecl(scope=r.ruleDescriptor.ruleScope)>}>

private:
<if(recognizer.grammar.delegates)>
<recognizer.grammar.delegates:
{g|<g.recognizerName>* m_<g.delegateName()>;};

```

```

separator="\n">
<endif>
<if(recognizer.grammar.delegators)>
  <recognizer.grammar.delegators:
    {g|<g.recognizerName>* m_<g.delegateName(>);}; separator="\n">
  <endif>
<scopes:{it | <if(it.isDynamicGlobalScope)>
  <globalAttributeScopeDef(it)>
<endif>}; separator="\n\n">
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
  <ruleAttributeScopeDef(scope=r.ruleDescriptor.ruleScope)>
<endif>}>
  <@members>
  <@end>

public:
  <name>(InputType* instream<recognizer.grammar.delegators:{g|, <g.recognizerName>*
<g.delegateName(>}&>);
  <name>(InputType* instream, RecognizerSharedStateType* state<recognizer.grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName(>}&>);

  void init(InputType* instream <recognizer.grammar.delegators:{g|, <g.recognizerName>* <g.delegateName(>}&>
);

<if(LEXER)>
<if(recognizer.filterMode)>
  void memoize(ANTLR_MARKER ruleIndex, ANTLR_MARKER ruleParseStart);
  bool alreadyParsedRule(ANTLR_MARKER ruleIndex);
<endif>

  <rules:{r | <if(!r.ruleDescriptor.isSynPred)><headerReturnType(ruleDescriptor=r.ruleDescriptor)>
m<r.ruleDescriptor.name>( <r.ruleDescriptor.parameterScope:parameterScope(>);<endif> }; separator="\n">
  <rules:{r | <if(r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)> msynpred(
antlr3::ClassForwarder< <r.ruleDescriptor.name> > <r.ruleDescriptor.parameterScope:parameterScope(>);
  void m<r.ruleDescriptor.name>_fragment (<r.ruleDescriptor.parameterScope:parameterScope(>);<endif> };
separator="\n">
<endif>
<if(!LEXER)>
  <rules:{r | <if(!r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)>
<r.ruleDescriptor.name> (<r.ruleDescriptor.parameterScope:parameterScope(>); <endif> }; separator="\n">
  <rules:{r | <if(r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)> msynpred(
antlr3::ClassForwarder< <r.ruleDescriptor.name> > <r.ruleDescriptor.parameterScope:parameterScope(>);
  void m<r.ruleDescriptor.name>_fragment (<r.ruleDescriptor.parameterScope:parameterScope(>);<endif> };
separator="\n">
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
  // Delegated rules
<recognizer.grammar.delegatedRules:{ruleDescriptor|

```

```

    <headerReturnType(ruleDescriptor)>
<ruleDescriptor.name><ruleDescriptor.parameterScope:parameterScope(>>); separator="\n">
<endif>

    const char *   getGrammarFileName();
    void           reset();
    ~<name>();

    <actions.(actionScope).context>
};

// Function protoypes for the constructor functions that external translation units
// such as delegators and delegates may wish to call.
//
<if(!recognizer.grammar.grammarIsRoot)>
extern ANTLR_UINT8* <recognizer.grammar.composite.rootGrammar.recognizerName>TokenNames[];
<endif>

/* End of token definitions for <name>
* =====
*/
/** \} */

<endNamespace(actions)>

#endif

/* END - Note:Keep extra line feed to satisfy UNIX systems */

>>

grammarType() ::= <<
<if(PARSER)>
parser
<endif>
<if(LEXER)>
lexer
<endif>
<if(TREE_PARSER)>
tree parser
<endif>
>>

componentType() ::= <<
<if(PARSER)>
<name>ImplTraits::ParserType
<endif>

```

```

<if(LEXER)>
<name>ImplTraits::LexerType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::TreeParserType
<endif>
>>

componentBaseType() ::= <<
<if(PARSER)>
<name>ImplTraits::BaseParserType
<endif>
<if(LEXER)>
<name>ImplTraits::BaseLexerType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::BaseTreeParserType
<endif>
>>

streamType() ::= <<
<if(PARSER)>
<name>ImplTraits::ParserType::StreamType
<endif>
<if(LEXER)>
<name>ImplTraits::LexerType::StreamType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::TreeParserType::StreamType
<endif>
>>

mainName() ::= <<
<if(PARSER)>
<name>
<endif>
<if(LEXER)>
<name>
<endif>
<if(TREE_PARSER)>
<name>
<endif>
>>

headerReturnScope(ruleDescriptor)
::= "<returnScope(...)>"

```

```

headerReturnType(ruleDescriptor) ::= <<
<if(LEXER)>
<if(!ruleDescriptor.isSynPred)>
void
<else>
<returnType()>
<endif>
<else>
<returnType()>
<endif>
>>

// Produce the lexer output
//
lexer( grammar,
name,
    tokens,
    scopes,
    rules,
    numRules,
    filterMode,
    superClass,
    labelType="ImplTraits::CommonTokenType") ::= <<

using namespace antlr3;

<beginNamespace(actions)>

<if(filterMode)>

/* Override the normal MEMOIZE and HAVEALREADYPARSED macros as this is a filtering
 * lexer. In filter mode, the memoizing and backtracking are gated at BACKTRACKING > 1 rather
 * than just BACKTRACKING. In some cases this might generate code akin to:
 * if (BACKTRACKING) if (BACKTRACKING > 1) memoize.
 */
void <name>::memoize(ANTLR_MARKER ruleIndex, ANTLR_MARKER ruleParseStart)
{
    BaseType* base = this;
    if ( this->get_backtracking()>1
    )
        base->memoize( ruleIndex, ruleParseStart );
}

bool <name>::alreadyParsedRule(ANTLR_MARKER ruleIndex)
{
    BaseType* base = this;
    if ( this->get_backtracking() > 1 )

```

```

    return base->haveParsedRule(ruleIndex);
    return false;
}

<endif>

/* =====
* Lexer matching rules end.
* =====
*/

<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<actions.lexer.members>

<name>::~~<name>()
{
<if(memoize)>
RuleMemoType* rulememo = this->getRuleMemo();
if(rulememo != NULL)
{
delete rulememo;
this->setRuleMemo(NULL);
}
<endif>
<if(grammar.directDelegates)>
// Free the lexers that we delegated to
// functions to. NULL the state so we only free it once.
//
<grammar.directDelegates:
    {g| m_<g:delegateName()->set_lexstate(NULL);
    delete m_<g:delegateName()->
}; separator="\n">
<endif>
}

void
<name>::reset()
{
    this->get_rec()->reset();
}

/** \brief Name of the grammar file that generated this code
*/
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
*/

```

```

const char* <name>::getGrammarFileName()
{
    return fileName;
}

/** \brief Create a new lexer called <name>
 *
 * \param[in] instream Pointer to an initialized input stream
 * \return
 * - Success p<name> initialized for the lex start
 * - Fail NULL
 */
<name>::<name>(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>>>)
: <name>ImplTraits::BaseLexerType(ANTLR_SIZE_HINT, instream, NULL)
{
    // See if we can create a new lexer with the standard constructor
    //
    this->init(instream <grammar.delegators:{g|, <g.delegateName()>>});
}

/** \brief Create a new lexer called <name>
 *
 * \param[in] instream Pointer to an initialized input
stream
 * \param[state] state Previously created shared recognizer stat
 * \return
 * - Success p<name> initialized for the lex start
 * - Fail NULL
 */
<name>::<name>(StreamType* instream, RecognizerSharedStateType* state<grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName()>>>)
: <name>ImplTraits::BaseLexerType(ANTLR_SIZE_HINT, instream, state)
{
    this->init(instream <grammar.delegators:{g|, <g.delegateName()>> } >);
}

void <name>::init(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>> } >)
{
    /* -----
    * Memory for basic structure is allocated, now to fill in
    * in base ANTLR3 structures. We initialize the function pointers
    * for the standard ANTLR3 lexer function set, but upon return
    * from here, the programmer may set the pointers to provide custom
    * implementations of each function.
    *
    * We don't use the macros defined
in <name>.h here so you can get a sense
    * of what goes where.

```



```

*/

<if(memoize)>
<if(grammar.grammarIsRoot)>
  // Create a LIST for recording rule memos.
  //
  this->setRuleMemo( new IntTrie(15) ); /* 16 bit depth is enough for 32768 rules! */
<endif>
<endif>

<if(grammar.directDelegates)>
  // Initialize the lexers that we are going to delegate some
  // functions to.
  //
  <grammar.directDelegates:
    { g|m_<g:delegateName()> = new <g.recognizerName>(instream, this->get_lexstate(),
this-<grammar.delegators:{ g|, <g:delegateName()>});}; separator="\n">
  <endif>
<if(grammar.delegators)>
  // Install the pointers back to lexers that will delegate us to perform certain functions
  // for them.
  //
  <grammar.delegators:
    { g| m_<g:delegateName()> = <g:delegateName()>;}; separator="\n">
  <endif>
}

<if(cyclicDFAs)>

/* =====
* DFA tables for the lexer
*/
<cyclicDFAs:cyclicDFA()>
<! dump tables for all DFA !>
/* =====
* End of DFA tables for the lexer
*/
<endif>

/* =====
* Functions to match the lexer grammar defined tokens from the input stream
*/

<rules; separator="\n\n">

/* =====
* Lexer matching rules end.
* =====

```

```

*/
<if(synpreds)>

/* =====
* Lexer syntactic predicates
*/
<synpreds: {p | <lexerSynpred(predname=p)>}>
/* =====
* Lexer syntactic predicates end.
* =====
*/
<endif>

/* End of Lexer code
* =====
* =====
*/

<endNamespace(actions)>

>>

```

```

filteringNextToken() ::= <<
<name>ImplTraits::CommonTokenType*
<name>ImplTraits::TokenSourceType::nextToken()
{
  LexerType* lexer;
  typename LexerType::RecognizerSharedStateType* state;

  lexer = this->get_super();
  state = lexer->get_lexstate();

  /* Get rid of any previous token (token factory takes care of
   * any deallocation when this token is finally used up.
   */
  state->set_token_present( false );
  state->set_error( false ); /* Start out without an exception */
  state->set_failedflag(false);

  /* Record the start of the token in our input stream.
   */
  state->set_tokenStartCharIndex( lexer->index());
  state->set_tokenStartCharPositionInLine( lexer->getCharPositionInLine() );
  state->set_tokenStartLine( lexer->getLine() );
  state->set_text("");

  /* Now call the matching rules and see if

```

we can generate a new token

```
*/
for (;;)
{
if (lexer->LA(1) == ANTLR_CHARSTREAM_EOF)
{
/* Reached the end of the stream, nothing more to do.
*/
CommonTokenType& teof = m_eofToken;

teof.set_startIndex(lexer->getCharIndex());
teof.set_stopIndex(lexer->getCharIndex());
teof.setLine(lexer->getLine());
return &teof;
}

state->set_token_present(false);
state->set_error(false); /* Start out without an exception */

{
ANTLR_MARKER m;

m = this->get_istream()->mark();
state->set_backtracking(1); /* No exceptions */
state->set_failedflag(false);

/* Call the generated lexer, see if it can get a new token together.
*/
lexer->mTokens();
state->set_backtracking(0);

<! mTokens backtracks with synpred at BACKTRACKING==2
and we set the synpredgate to allow actions at level 1. !>

if(state->get_failed())
{
lexer->rewind(m);
lexer->consume(); <! advance
one char and try again !>
}
else
{
lexer->emit(); /* Assemble the token and emit it to the stream */
TokenType& tok = state->get_token();
return &tok;
}
}
}
```

```

}
>>

actionGate() ::= "this->get_backtracking()==0"

filteringActionGate() ::= "this->get_backtracking()==1"

/** How to generate a parser */
genericParser( grammar,
    name,
        scopes,
        tokens,
        tokenNames,
        rules,
        numRules,
        bitsets,
        inputStreamType,
        superClass,
        labelType,
    members,
    rewriteElementType, filterMode,
        ASTLabelType="ImplTraits::TreeType*"
    ) ::= <<

using namespace antlr3;
<if(grammar.grammarIsRoot)>
/** \brief Table of all token names in symbolic order, mainly used for
 *   error reporting.
 */
ANTLR_UINT8* <name>TokenNames[<length(tokenNames)>+4]
    = {
        (ANTLR_UINT8*)
        "\<invalid>", /* String to print to indicate an invalid token */
        (ANTLR_UINT8*) "\<EOR>",
        (ANTLR_UINT8*) "\<DOWN>",
        (ANTLR_UINT8*) "\<UP>",
        <tokenNames:{it |(ANTLR_UINT8*) <it>; separator=",\n">
    };
<endif>

<@members>

<@end>

/** \brief Name of the grammar file that generated this code
 */
static const char fileName[] = "<fileName>";

```

```

/** \brief Return the name of the grammar file that generated this code.
*/
const char* <name>::getGrammarFileName()
{
    return fileName;
}
/** \brief Create a new <name> parser and return a context for it.
*
* \param[in] instream Pointer to an input stream interface.
*
* \return Pointer to new parser context upon success.
*/
<name>::<name>( StreamType* instream<grammar.delegators:{g|,<g.recognizerName>* <g.delegateName()>>>)
<constructorInitializerType("NULL")>
{
    // See if we can create a new parser with the standard constructor
    //
    this->init(instream<grammar.delegators:{g|,
    <g.delegateName()>>>);
}

/** \brief Create a new <name> parser and return a context for it.
*
* \param[in] instream Pointer to an input stream interface.
*
* \return Pointer to new parser context upon success.
*/
<name>::<name>( StreamType* instream, RecognizerSharedStateType* state<grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName()>>>)
<constructorInitializerType("state")>
{
    this->init(instream <grammar.delegators:{g|,<g.delegateName()>>>);
}

void <name>::init(StreamType* instream<grammar.delegators:{g|,<g.recognizerName>* <g.delegateName()>>>)
{
    <actions.parser.apifuncs>
    <actions.treeparser.apifuncs>
<if(memoize)>
<if(grammar.grammarIsRoot)>
    /* Create a LIST for recording rule memos.
    */
    typedef RecognizerSharedStateType::RuleMemoType RuleMemoType;
    this->setRuleMemo( new RuleMemoType(15) ); /* 16 bit depth is enough for 32768 rules! */<\n>
<endif>
<endif>
<if(grammar.directDelegates)>
    //

```

```

Initialize the lexers that we are going to delegate some
// functions to.
//
<grammar.directDelegates:
    {g|m_<g:delegateName()> = new <g.recognizerName>(instream, this->get_psrstate(),
this<grammar.delegates:{g|, <g:delegateName()>>}); separator="\n">
<endif>
    <if(grammar.delegates)>
        // Install the pointers back to lexers that will delegate us to perform certain functions
        // for them.
        //
        <grammar.delegates: {g| m_<g:delegateName()> = <g:delegateName()>; separator="\n">
<endif>
/* Install the token table
*/
this->get_psrstate()->set_tokenNames( <grammar.composite.rootGrammar.recognizerName>TokenNames );

<@debugStuff()>

}

void
<name>::reset()
{
    this->get_rec()->reset();
}

/** Free the parser resources
*/
<name>::~~<name>()
{
    <@cleanup>
    <@end>
<if(grammar.directDelegates)>
    // Free the parsers that we delegated to
    // functions to.NULL the state so we only free it once.
    //
    <grammar.directDelegates:
        {g| m_<g:delegateName()>->set_psrstate( NULL );
        delete m_<g:delegateName()>; separator="\n">
<endif>
<if(memoize)>
<if(grammar.grammarIsRoot)>
if(this->getRuleMemo() != NULL)
{
    delete this->getRuleMemo();
    this->setRuleMemo(NULL);
}
}

```

```

<endif>
<endif>
}

/** Return token names used by this <grammarType()>
 *
 * The returned pointer is used as an index into the token names table (using the token
 * number as the index).
 *
 * \return Pointer to first char * in the table.
 */
static ANTLR_UINT8** getTokenNames()
{
    return <grammar.composite.rootGrammar.recognizerName>TokenNames;
}

<members>

/* Declare the bitsets
 */
<bitsets:{it | <bitsetDeclare(bitsetName={ FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
    words64=it.bits, traits={<name>ImplTraits } )>>}>

<if(cyclicDFAs)>

/* =====
 * DFA tables for the
 parser
 */
<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
/* =====
 * End of DFA tables for the parser
 */
<endif>

/* =====
 * Parsing rules
 */
<rules; separator="\n\n">
<if(grammar.delegatedRules)>
// Delegated methods that appear to be a part of this
// parser
//
<grammar.delegatedRules:{ruleDescriptor|
    <return Type()> <name>::<ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>)
    {
        <if(ruleDescriptor.hasReturn Value)>return <endif> m_<ruleDescriptor.grammar:delegateName()>-

```

```

<<ruleDescriptor.name>( <ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", ">
  \}); separator="\n">

<endif>
/* End of parsing rules
* =====
*/

/* =====
* Syntactic predicates
*/
<synpreds:{ p | <synpred(predname=p)>}>
/* End
of syntactic predicates
* =====
*/

>>

constructorInitializerType(rec_state) ::= <<
<if(PARSER)>
  :ImplTraits::BaseParserType(ANTLR_SIZE_HINT, instream, <rec_state>)
<endif>
<if(TREE_PARSER)>
  :ImplTraits::BaseTreeParserType(ANTLR_SIZE_HINT, instream, <rec_state>)
<endif>
>>

parser( grammar,
  name,
  scopes,
  tokens,
  tokenNames,
  rules,
  numRules,
  bitsets,
  ASTLabelType,
  superClass="Parser",
  labelType="const CommonTokenType*",
  members={<actions.parser.members>}
) ::= <<
<beginNamespace(actions)>
<genericParser(inputStreamType="CommonTokenStreamType*", rewriteElementType="TOKEN", ...)>
<endNamespace(actions)>
>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.

```



```

*/
treeParser( grammar,
    name,
    scopes,
    tokens,
    tokenNames,
    globalAction,
    rules,
    numRules,
    bitsets,
    filterMode,
    labelType={<ASTLabelType>},
    ASTLabelType="TreeType*",
    superClass="TreeParser",
    members={<actions.treeparser.members>}
)
::= <<
<beginNamespace(actions)>
<genericParser(inputStreamType="CommonTreeNodeStream*", rewriteElementType="NODE", ...)>
<endNamespace(actions)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
void <name>::m<ruleName>_fragment( <ruleDescriptor.parameterScope:parameterScope(>) )
{
    <ruleLabelDefs(>
    <ruleLabelInitializations(>
    <if(trace)>
        ANTLR_PRINTF("enter <ruleName> %d failed = %d, backtracking
= %d\n", this->LT(1),failed,this->get_backtracking() );
        <block>
        ANTLR_PRINTF("exit <ruleName> %d, failed = %d, backtracking = %d\n", this->LT(1),failed,this-
>get_backtracking());

    <else>
        <block>
    <endif>
    <ruleCleanup(>
}

```

```

// $ANTLR end <ruleName>
>>

synpred(predname) ::= <<

bool <name>::msynpred( antlr3::ClassForwarder\< <predname> > )
{
    ANTLR_MARKER start;
    bool success;

    this->inc_backtracking();
    <@start()>
    start = this->mark();
    this->m<predname>_fragment(); // can never throw exception
    success = !( this->get_failedflag() );
    this->rewind(start);
    <@stop()>
    this->dec_backtracking();
    this->set_failedflag(false);
    return success;
}<\n>
>>

lexerSynpred(predname) ::= <<
<synpred(predname)>
>>

ruleMemoization(rname) ::= <<
<if(memoize)>
if ( (this->get_backtracking()>0) && (this->haveParsedRule(<ruleDescriptor.index>)) )
{
    <if(ruleDescriptor.hasMultipleReturnValues)>
    <if(!ruleDescriptor.isSynPred)>
    retval.start
    = 0;<\n>
    <endif>
    <endif>
    <(ruleDescriptor.actions.after):execAfter()>
    <finalCode(finalBlock=finally)>
    <if(!ruleDescriptor.isSynPred)>
    <scopeClean()><\n>
    <endif>
    return <ruleReturnValue()>;
}
<endif>
>>

/** How to test for failure and return from rule */

```

```

checkRuleBacktrackFailure() ::= <<
if (this->hasException())
{
    goto rule<ruleDescriptor.name>Ex;
}
<if(backtracking)>
if (this->hasFailed())
{
    <scopeClean()>
    <@debugClean()>
    return <ruleReturnValue()>;
}
<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if (this->get_backtracking()>0)
{
    this->set_failedflag( true );
    <scopeClean()>
    return <ruleReturnValue()>;
}
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize)
::= <<
/**
 * $ANTLR start <ruleName>
 * <fileName>:<description>
 */
<returnType()>
<name>::<ruleName>(<ruleDescriptor.parameterScope:parameterScope()>)
{
    <if(trace)>ANTLR_PRINTF("enter <ruleName> %s failed=%d, backtracking=%d\n", this->LT(1), this-
>get_backtracking() );<endif>
    <ruleDeclarations()>
    <ruleDescriptor.actions.declarations>
    <ruleLabelDefs()>
    <ruleInitializations()>
    <ruleDescriptor.actions.init>
    <ruleMemoization(rname=ruleName)>
    <ruleLabelInitializations()>

```

```

<if(actions.(actionScope).rulecatch)>
  try {
<else>
<if(exceptions)>
  try {
<endif>
<endif>
<@preamble()>
{
  <block>
}
<ruleCleanUp()>

<if(exceptions)>
  <(ruleDescriptor.actions.after):execAfter()>
  <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
<else>
<if(!emptyRule)>
if (this->hasException())
  {

  this->preporterror();
  this->precover();
  <@setErrorReturnValue()>
  }
<if(ruleDescriptor.actions.after)>
else
  {
    <(ruleDescriptor.actions.after):execAfter()>
  }<\n>
  <endif>
<if(actions.(actionScope).rulecatch)>
  } <actions.(actionScope).rulecatch>
  <endif>
<endif>
<endif>

  <if(trace)>ANTLR_PRINTF("exit <ruleName> %d failed=%s backtracking=%s\n", this->LT(1), failed, this-
>get_backtracking() );<endif>
  <memoize()>
<if(finally)>
  <finalCode(finalBlock=finally)>
<endif>
  <scopeClean()>
  <@postamble()>
  return <ruleReturnValue()>;
}

```

```

/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{
  <finalBlock>
}
>>

catch(decl,action) ::= <<
/* catch(decl,action)
*/
}catch (<e.decl>) {
  <e.action>
}
>>

ruleDeclarations() ::= <<

<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(> retval(this);<\n>
<else>
<if(PARSER)>
  <name>ImplTraits::RuleReturnValueType _antlr_rule_exit(this);
<endif>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name>;
}>
<endif>
<if(memoize)>
ANTLR_MARKER <ruleDescriptor.name>_StartIndex;
<endif>
>>

ruleInitializations() ::= <<
/* Initialize rule variables
*/
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.returnScope.attributes: { a |
<if(a.initValue)>retval.<a.name> = <a.initValue>;<endif>
}>
<else>
<ruleDescriptor.returnScope.attributes: { a |
<if(a.initValue)><a.name> = <a.initValue>;<endif>
}>
<endif>
<if(memoize)>

```

```

<ruleDescriptor.name>_startIndex = this->index();<\n>
<endif>
<ruleDescriptor.useScopes:{it | m_<it>_stack.push(<it>Scope()); }; separator="\n">
<ruleDescriptor.ruleScope:{it | m_<it.name>_stack.push(<it.name>Scope()); }; separator="\n">
>>

```

```

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
  :{it |<labelType> <it.label.text>;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
  :{it | VectorType<\const CommonTokenType*> list_<it.label.text>;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
  :ruleLabelDef(); separator="\n"
>
>>

```

```

ruleLabelInitializations() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
  :{it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
  :ruleLabelInitVal(); separator="\n"
>
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
retval.call_start_placeholder(); <\n>
<endif>
<endif>
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
  ruleDescriptor.tokenListLabels,
  ruleDescriptor.ruleLabels]
  :{it |<labelType> <it.label.text>;}; separator="\n"
>
<ruleDescriptor.charLabels:{it |ANTLR_UINT32 <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
  ruleDescriptor.ruleListLabels,
  ruleDescriptor.ruleListLabels]
  :{it | ImplTraits::IntTrieType<CommonTokenType*> list_<it.label.text>;}; separator="\n"
>
>>

```

```

lexerRuleLabelInit() ::= <<
<[ruleDescriptor.tokenLabels,

```

```

ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it | list_<it.label.text> = new ImplTraits::IntTrieType<CommonTokenType>(31);}; separator="\n"
>
>>

lexerRuleLabelFree() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it | delete list_<it.label.text>;}; separator="\n"
>
>>

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

memoize()
::= <<
<if(memoize)>
<if(backtracking)>
if ( this->get_backtracking() > 0 ) { this->memoize(<ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

ruleCleanUp() ::= <<

// This is where rules clean up and exit

```

```

//
goto rule<ruleDescriptor.name>Ex; /* Prevent compiler warnings */
rule<ruleDescriptor.name>Ex: ;
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
<if(!ruleDescriptor.isSynPred)>
retval.call_stop_placeholder();<\n>
<endif>
<endif>
<endif>
>>

scopeClean() ::= <<
<ruleDescriptor.useScopes:{it | m_<it>_stack.pop(); }; separator="\n">
<ruleDescriptor.ruleScope:{it | m_<it.name>_stack.pop(); }; separator="\n">

>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules, which do not produce tokens.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
//
  Comes from: <block.description>
/** \brief Lexer rule generated by ANTLR3
 *
 * $ANTLR start <ruleName>
 *
 * Looks to match the characters the constitute the token <ruleName>
 * from the attached input stream.
 *
 *
 * \remark
 * - lexer->error == true if an exception was thrown.
 */
void <name>::m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>>)
{
  ANTLR_UINT32 _type;
  <ruleDeclarations(>>
  <ruleDescriptor.actions.declarations>
  <lexerRuleLabelDefs(>>
  <if(trace)>System.out.println("enter <ruleName> "+(char)this->LA(1)+" line="+ this->getLine()+":"+ this->getCharPositionInLine()+ " failed="+failed+" backtracking="+this->get_backtracking());<endif>

  <if(nakedBlock)>
    <ruleMemoization(rname=ruleName)>
    <lexerRuleLabelInit(>>
    <ruleDescriptor.actions.init>

```



```

    <block><\n>
<else>
    <ruleMemoization(rname=ruleName)>
    <lexerRuleLabelInit(>
    _type = <ruleName>;

    <ruleDescriptor.actions.init>

    <block>
    this->get_lexstate()->set_type(_type);
<endif>
    <if(trace)> ANTLR_FPRINTF(stderr, "exit <ruleName> '%c' line=%d:%d failed = %d, backtracking
    =%d\n",this->LA(1),this->getLine(),this->getCharPositionInLine(),failed,this->get_backtracking());<endif>
    <ruleCleanUp(>
    <lexerRuleLabelFree(>
    <(ruleDescriptor.actions.after):execAfter(>
    <memoize>
}
// $ANTLR end <ruleName>
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
/** This is the entry point in to the lexer from an object that
 * wants to generate the next token, such as a pCOMMON_TOKEN_STREAM
 */
void
<name>::mTokens()
{
    <block><\n>

    goto ruleTokensEx; /* Prevent compiler warnings */
ruleTokensEx: ;
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description)
::= <<

// <fileName>:<description>
{
    int alt<decisionNumber>=<maxAlt>;
    <decls>

```

```

<@predecision(>
<decision>
<@postdecision(>
<@prebranch(>
switch (alt<decisionNumber>)
{
<alts:{ a | <altSwitchCase(i,a)> }>
}
<@postbranch(>
}
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
{
// <fileName>:<description>

ANTLR_UINT32 alt<decisionNumber>;

alt<decisionNumber>=<maxAlt>;

<decls>
<@predecision(>
<decision>
<@postdecision(>
switch (alt<decisionNumber>)
{
<alts:{ a | <altSwitchCase(i,a)> }>
}
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative
*/
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>

```

>>

```
/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,descriptio
n) ::= <<
// <fileName>:<description>
{
  int cnt<decisionNumber>=0;
  <decls>
  <@preloop()>

  for (;;)
  {
    int alt<decisionNumber>=<maxAlt>;
    <@predecision()>
    <decision>
    <@postdecision()>
    switch (alt<decisionNumber>)
    {
      <alts:{a | <altSwitchCase(i,a)>}>
      default:

    if ( cnt<decisionNumber> >= 1 )
    {
      goto loop<decisionNumber>;
    }
    <ruleBacktrackFailure()>
    <earlyExitEx()>
    <@earlyExitException()>
    goto rule<ruleDescriptor.name>Ex;
  }
  cnt<decisionNumber>++;
  }
  loop<decisionNumber>: ; /* Jump to here if this rule does not match */
  <@postloop()>
}
>>
```

earlyExitEx()

::= <<

/* mismatchedSetEx()

*/

new ANTLR_Exception<< <name>ImplTraits, EARLY_EXIT_EXCEPTION, StreamType>(this->get_rec(), "");

<\n>

>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */

```

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<

// <fileName>:<description>
<decls>

<@preloop()>
for (;;)
{
  int alt<decisionNumber>=<maxAlt>;
  <@predecision()>
  <decision>
  <@postdecision()>
  switch (alt<decisionNumber>)
  {
    <alts:{ a | <altSwitchCase(i,a)>}>
  default:
    goto loop<decisionNumber>; /* break out of the loop */
    break;
  }
}
loop<decisionNumber>; /* Jump out to here if this rule does not match */
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by antlr before code generation
 * so we can just use the normal block template
 */
optionalBlock
::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum,alt) ::= <<
case <altNum>:
  <@prealt()>
  <alt>
  break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<

```

```

// <fileName>:<description>
{
  <@declarations()>
  <@initializations()>
  <elements:element()>
  <rew>
  <@cleanup()>
}
>>

// E L E M E N T S
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions)
::= <<
<if(label)><label> = <endif> this->matchToken(<token>, &FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem) ::= <<
list_<label>.push_back(<elem>);
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = this->LA(1);<\n>
<endif>
this->matchc(<char>);
<checkRuleBacktrackFailure()>
>>

```

```

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = this->LA(1);<\n>
<endif>
this->matchRange(<a>, <b>);
<checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= this->LA(1);<\n>
<else>
<label>=(<labelType>) this->LT(1);<\n>
<endif>
<endif>
if ( <s> )
{
    this->consume();
    <postmatchCode>
<if(!LEXER)>
    this->set_perror_recovery(false);
<endif>
    <if(backtracking)> this->set_failedflag(false); <\n><endif>
}
else
{
    <ruleBacktrackFailure()>
    <mismatchedSetEx()>
    <@mismatchedSetException()>
<if(LEXER)>
    this->recover();
<else>
<! use following code to make it recover inline;
    this->recoverFromMismatchedSet(&FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
    goto rule<ruleDescriptor.name>Ex;
}<\n>
>>

mismatchedSetEx() ::= <<
new ANTLR_Exception\< <name>ImplTraits, MISMATCHED_SET_EXCEPTION, StreamType>( this->get_rec(),
"" );
<if(PARSER)>

```

```

this->get_exception()->set_expectinSet(NULL);
<! use following code to make it recover inline;
this->get_exception()->set_expectinSet( &FOLLOW_set_in_<ruleName><elementIndex> );
!>
<endif>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/**
Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
<label>Start = this->getCharIndex();
MATCHS(<string>);
<checkRuleBacktrackFailure()>
<label> = new CommonTokenType;
<label>->set_type( CommonTokenType::TOKEN_INVALID );
<label>->set_startIndex( <label>Start);
<label>->set_stopIndex( this->getCharIndex()-1);
<label>->set_input( this->get_input() );
<else>
this->matchs(<string>);
<checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=<labelType>this->LT(1);<\n>
<endif>
this->matchAnyToken();
<checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>

```

```

<label> = this->LA(1);<\n>
<endif>
this->matchAny();
<checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex)
 ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
this->followPush(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)>m_<scope:delegateName()-><endif><rule.name><(if(args)><args;
separator=", "><endif>);<\n>
this->followPop();
<checkRuleBacktrackFailure()>
>>

/** ids+=1 */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope)
 ::= <<
/* <description> */
<if(label)>
{
  ANTLR_MARKER <label>Start<elementIndex> = this->getCharIndex();
  <if(scope)>m_<scope:delegateName()-><endif>m<rule.name><(if(scope)>m_<scope:delegateName()-><endif>
<if(args)>, <endif><args; separator=", ">);
  <checkRuleBacktrackFailure()>
  <label> = new CommonTokenType();
  <label>->set_type( CommonTokenType::TOKEN_INVALID);

```



```

<label>->set_startIndex( <label>Start<elementIndex> );
<label>->set_stopIndex( this->getCharIndex()-1);
<label>->set_input( this->get_input() );
}
<else>
<if(scope)>m_<scope:delegateName()-><endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()->
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
{
  ANTLR_UINT32 <label>Start<elementIndex>;
  <labelType> <label>;
  <label>Start<elementIndex> = this->getCharIndex();
  this->matchc(ANTLR_CHARSTREAM_EOF);
  <checkRuleBacktrackFailure()->
  <label> = new CommonTokenType();
  <label>->set_type( CommonTokenType::TOKEN_EOF );
  <label>->set_startIndex(<label>Start<elementIndex>);
  <label>->set_stopIndex(this->getCharIndex()-1);
  <label>->set_input( this->get_input() );
}
<else>
  this->matchc(ANTLR_CHARSTREAM_EOF);
  <checkRuleBacktrackFailure()->
  <endif>
>>

// used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg()->"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()-> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()->

```

```

<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( this->LA(1)== CommonTokenType::TOKEN_DOWN ) {
    this->matchToken(CommonTokenType::TOKEN_DOWN, NULL);
    <checkRuleBacktrackFailure()>
    <children:element()>
    this->matchToken(CommonTokenType::TOKEN_UP, NULL);
    <checkRuleBacktrackFailure()>
}
<else>
this->matchToken(CommonTokenType::TOKEN_DOWN, NULL);
<checkRuleBacktrackFailure()>
<children:element()>
this->matchToken(CommonTokenType::TOKEN_UP, NULL);
<checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if ( !( <evalPredicate(...)> ) )
{
    <ruleBacktrackFailure()>
    <newFPE(...)>
}
>>

newFPE() ::= <<
ExceptionBaseType* ex = new ANTLR_Exception\< <name>ImplTraits, FAILED_PREDICATE_EXCEPTION,
StreamType>( this->get_rec(),
"<description>" );
ex->set_ruleName( "<ruleName>" );
<\n>
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

{
    int LA<decisionNumber>_<stateNumber> = this->LA(<k>);
    <edges; separator="\nelse ">
    else
    {
<if(eotPredictsAlt)>
        alt<decisionNumber>=<eotPredictsAlt>;

```

```

<else>
    <ruleBacktrackFailure()>

    <newNVException()>
    goto rule<ruleDescriptor.name>Ex;

<endif>
}
}
>>

newNVException() ::= <<
ExceptionBaseType* ex = new ANTLR_Exception\< <name>ImplTraits, NO_VIABLE_ALT_EXCEPTION,
StreamType>( this->get_rec(), "<description>" );
ex->set_decisionNum( <decisionNumber> );
ex->set_state( <stateNumber> );
<@noViableAltException()>
<\n>
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For
 (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
    int LA<decisionNumber>_<stateNumber> = this->LA(<k>);
    <edges; separator="\nelse ">
}
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */

dfaLoopbackStateDecls() ::= <<
ANTLR_UINT32 LA<decisionNumber>_<stateNumber>;
>>
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
    /* dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
    */
    int LA<decisionNumber>_<stateNumber> = this->LA(<k>);

```

```

    <edges; separator="\nelse "><\n>
    <if(eotPredictsAlt)>
    <if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
    <else>
    else
    {
alt<decisionNumber>=<eotPredictsAlt>;
    }<\n>
    <endif>
    <endif>
}
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( <if(predicates)><predicates> && <endif><(<labelExpr>)> )
{
    <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( this->LA(<k>) )
{
<edges; separator="\n">

default:
<if(eotPredictsAlt)>
    alt<decisionNumber>=<eotPredictsAlt>;
<else>
    <ruleBacktrackFailure()>
    <newNVEException()>
    goto rule<ruleDescriptor.name>Ex;<\n>
<endif>
}<\n>
>>

```

```

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( this->LA(<k> )
{
    <edges; separator="\n">
}<\n>
>>

```

```

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( this->LA(<k> )
{
    <edges; separator="\n"><\n>
    <if(eotPredictsAlt)>
    default:
        alt<decisionNumber>=<eotPredictsAlt>;
        break;<\n>
    <endif>
}<\n>
>>

```

```

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it |case <it>:}; separator="\n">
{
    <targetState>
}
    break;
>>

```

// C y c l i c D F A

```

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */

```

```

dfaDecision(decisionNumber,description)
::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(this, this->get_rec(), this->get_istream(),
cdfa<decisionNumber> );
<checkRuleBacktrackFailure()>
>>

```

```

/* Dump DFA tables as static initialized arrays of shorts(16 bits)/characters(8 bits)
 * which are then used to statically initialize the dfa structure, which means that there
 * is no runtime initialization whatsoever, other than anything the C compiler might
 * need to generate. In general the C compiler will lay out memory such that there is no
 * runtime code required.
 */

```

```

cyclicDFA(dfa) ::= <<

```

```

/** Static dfa state tables for Cyclic dfa:
 * <dfa.description>
 */
static const ANTLR_INT32 dfa<dfa.decisionNumber>_eot[<dfa.numberOfStates>] =
{
<dfa.eot; wrap="\n", separator=", ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_eof[<dfa.numberOfStates>] =
{
<dfa.eof; wrap="\n", separator=", ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_min[<dfa.numberOfStates>]
=
{
<dfa.min; wrap="\n", separator=", ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_max[<dfa.numberOfStates>] =
{
<dfa.max; wrap="\n", separator=", ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_accept[<dfa.numberOfStates>] =
{
<dfa.accept; wrap="\n", separator=", ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_special[<dfa.numberOfStates>] =
{
<dfa.special; wrap="\n", separator=", ", null="-1">
};

/** Used when there is no transition table entry for a particular state */
static const ANTLR_INT32* dfa<dfa.decisionNumber>_T_empty = NULL;

<dfa.edgeTransitionClassMap.keys:{ table |
static const ANTLR_INT32 dfa<dfa.decisionNumber>_T<i0>[] =
{
<table; separator=", ", wrap="\n", null="-1">
\};<\n>}; null = "">

/* Transition tables are a table of sub tables, with some tables
 * reused for efficiency.
 */
static const
ANTLR_INT32 * const dfa<dfa.decisionNumber>_transitions[] =
{
<dfa.transitionEdgeTables:{ xref[dfa<dfa.decisionNumber>_T<xref>]; separator=", ", wrap="\n", null="NULL">
};

<@errorMethod()>

```

```

/* Declare tracking structure for Cyclic DFA <dfa.decisionNumber>
*/
class <name>CyclicDFA<dfa.decisionNumber> : public CyclicDFA<<name>ImplTraits, <name> >, public
<name>Tokens
{
public:
typedef CyclicDFA<<name>ImplTraits, <name> > BaseType;
typedef BaseType::ContextType CtxType;

private:
<if(dfa.specialStateSTs)>
//to maintain C-Target compatibility, we need to make some of ctx functions look like member funcs
CtxType* m_ctx;
<endif>

public:
<name>CyclicDFA<dfa.decisionNumber>( ANTLR_INT32 decisionNumber
, const ANTLR_UCHAR* description
, const ANTLR_INT32* const eot
, const ANTLR_INT32* const eof
, const ANTLR_INT32* const min
, const ANTLR_INT32* const max
, const ANTLR_INT32* const accept
, const ANTLR_INT32* const special
,
const ANTLR_INT32* const *const transition)
:BaseType( decisionNumber, description, eot, eof, min, max, accept,
special, transition )
{
<if(dfa.specialStateSTs)>
m_ctx = NULL;
<endif>
}

<if(dfa.specialStateSTs)>
ANTLR_UINT32 LA(ANTLR_INT32 i)
{
return m_ctx->LA(i);
}

template<typename PredType>
bool msynpred( PredType pred )
{
return m_ctx->msynpred(pred);
}

<if(PARSER)>

```

```

const CtxType::CommonTokenType* LT(ANTLR_INT32 k)
{
    return m_ctx->LT(k);
}
<endif>

ANTLR_INT32 specialStateTransition(CtxType * ctx, RecognizerType* recognizer, IntStreamType* is,
ANTLR_INT32 s)
{
    ANTLR_INT32 _s;

    m_ctx = ctx;
    _s = s;
    switch (s)
    {
        <dfa.specialStateSTs:{state |
        case <i0>:

<state>}; separator="\n">
    }
<if(backtracking)>
    if ( ctx->get_backtracking()
> 0)
    {
        ctx->set_failedflag( true );
        return -1;
    }
<endif>
    ExceptionBaseType* ex = new ANTLR_Exception<< <name>ImplTraits, NO_VIABLE_ALT_EXCEPTION,
StreamType>( recognizer, "<dfa.description>" );
    ex->set_decisionNum( <dfa.decisionNumber> );
    ex->set_state(_s);
    <@noViableAltException()>
    return -1;
}
<endif>
};

static <name>CyclicDFA<dfa.decisionNumber> cdfa<dfa.decisionNumber>(
    <dfa.decisionNumber>, /* Decision number of this dfa */
    /* Which decision this represents: */
    (const ANTLR_UCHAR*)<dfa.description>",
    dfa<dfa.decisionNumber>_eot, /* EOT table */
    dfa<dfa.decisionNumber>_eof, /* EOF table */
    dfa<dfa.decisionNumber>_min, /* Minimum tokens for each state */
    dfa<dfa.decisionNumber>_max, /* Maximum tokens for each state */
    dfa<dfa.decisionNumber>_accept, /* Accept table */
    dfa<dfa.decisionNumber>_special, /* Special

```



```

transition states */
    dfa<dfa.decisionNumber>_transitions /* Table of transition tables */

);

/* End of Cyclic DFA <dfa.decisionNumber>
* -----
*/
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
    ANTLR_UINT32 LA<decisionNumber>_<stateNumber>;<\n>
    ANTLR_MARKER index<decisionNumber>_<stateNumber>;<\n>

    LA<decisionNumber>_<stateNumber> = ctx->LA(1);<\n>
    <if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
    index<decisionNumber>_<stateNumber> = ctx->index();<\n>
    ctx->rewindLast();<\n>
    <endif>
    s = -1;
    <edges; separator="\nelse ">
    <if(semPredState)> <! return input cursor to state before we rewound !>
    ctx->seek(index<decisionNumber>_<stateNumber>);<\n>
    <endif>
    if ( s>=0 )
    {
    return s;
    }
}
break;
>>

/** Just like
a fixed DFA edge, test the lookahead and indicate what
* state to jump to next if successful.
*/
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ( <if(predicates)>(<predicates>) && <endif>(<labelExpr>) )
{
    s = <targetStateNumber>;
}<\n>
>>

```

```

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "( (<left> ) && (<right> ) )"

orPredicates(operands) ::= "(<operands:{o|(<o>)}; separator=\\|\\>)"

notPredicate(pred) ::= "!(<evalPredicate(pred,{})>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "this->msynpred( antlr3::ClassForwarder\<<pred>>() )"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that
 * LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "this->LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
((LA<decisionNumber>_<stateNumber> >= <lower>) && (LA<decisionNumber>_<stateNumber> \<= <upper>))
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "((this->LA(<k>) >=
<lower>) && (this->LA(<k>) \<= <upper>))"

setTest(ranges) ::= "<ranges; separator=\\|\\>"

// A T T R I B U T E S

makeScopeSet() ::= <<
/* makeScopeSet()
 */
/** Definition of the <scope.name> scope variable tracking
 * structure. An instance of this structure is created by calling
 * <name>_<scope.name>Push().
 */
struct <scopeStruct(sname=scope.name,...)>
{

```

```

/* =====
 * Programmer defined variables...
 */
<scope.attributes:{it |<it.decl>;}>
separator="\n">

/* End of programmer defined variables
 * =====
 */
};

>>

globalAttributeScopeDecl(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScopeDecl(scope)
*/
<makeScopeSet(...)>
<endif>
>>

ruleAttributeScopeDecl(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDecl(scope)
*/
<makeScopeSet(...)>
<endif>
>>

globalAttributeScopeDef(scope) ::=
<<
/* globalAttributeScopeDef(scope)
*/
<if(scope.attributes)>

StackType\< <scopeStruct(sname=scope.name)> > <scopeStack(sname=scope.name)>;

<endif>
>>

ruleAttributeScopeDef(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDef(scope)
*/
StackType\< <scopeStruct(sname=scope.name)> > <scopeStack(sname=scope.name,...)>;

<endif>
>>

```

```

scopeStruct(sname) ::= <<
<sname>Scope
>>

scopeStack(sname) ::= <<
m_<sname>_stack
>>

returnStructName(r) ::= "<r.name>_return"

returnType()
::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
bool
<endif>
%>

/** Generate the C type associated with a single or multiple return
 * value(s).
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.grammar.recognizerName>_<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
%>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table

```

```

* must be an object, default value is "0".
*/
initValue(typeName) ::= <<
= <<TypeInitMap.(typeName)>
>>

/** Define a rule label */
ruleLabelDef(label)
::= <<
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text>;
typedef <ruleLabelType(referencedRule=label.referencedRule)> RETURN_TYPE_<label.label.text>;<\n>
>>
/** Rule label default value */
ruleLabelInitVal(label) ::= <<
>>

ASTLabelType() ::= "<if(recognizer.ASTLabelType)><recognizer.ASTLabelType><else>TreeType*<endif>"

/** Define a return struct for a rule if the code needs to access its
* start/stop tokens, tree stuff, attributes, ... Leave a hole for
* subgroups to stick in members.
*/
returnScope(scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>

<if(!TREE_PARSER)>
struct <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()> : public
<name>ImplTraits::RuleReturnValueType
{
public:
typedef <name>ImplTraits::RuleReturnValueType BaseType;
<else>
struct <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>
{
<name>ImplTraits::<recognizer.ASTLabelType>
start;
<name>ImplTraits::<recognizer.ASTLabelType> stop;
<endif>
<@ruleReturnMembers()>
<ruleDescriptor.returnScope.attributes:{it |<it.type> <it.name>;}; separator="\n">

<if(!TREE_PARSER)>
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>()
{
}

<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>( BaseParserType* parser )

```

```

    : BaseType(parser)
    {
    }

    <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>( const
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>& n )
    : BaseType(n)
    <if(ruleDescriptor.returnScope.attributes)>
    , <ruleDescriptor.returnScope.attributes: {it | <it.name>(n.<it.name>) } ; separator=",">
    <endif>
    {
    }

    <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>&
operator=( const <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>&
n )
    {
    BaseType::operator=( n );
    <ruleDescriptor.returnScope.attributes: {it | <it.name> = n.<it.name>; } ; separator="\n">
    return *this;
    }
<else>
    <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>( const
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>& n )
    <if(ruleDescriptor.returnScope.attributes)>
    <ruleDescriptor.returnScope.attributes: {it | <it.name>(n.<it.name>) } ; separator=",">
    <endif>
    {
    start = n.start;
    stop = n.stop;
    }

    <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>&
operator=( const <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>& n )
    {
    start = n.start;
    stop = n.stop;

    <ruleDescriptor.returnScope.attributes: {it | <it.name> = n.<it.name>; } ; separator="\n">
    return *this;
    }

<endif>

};<\n><\n>

<endif>
<endif>

```

```

>>

parameterScope(scope)
  ::= <<
<scope.attributes:{it |<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name>=<expr>";

/** Note that the scopeAttributeRef does not have access to the
 * grammar name directly
 */
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
  m_<scope>_stack.at( m_<scope>_stack.size()-<negIndex>-1).<attr.name>
<else>
<if(index)>
  m_<scope>_stack.at(<index>).<attr.name>
<else>
  m_<scope>_stack.peek().<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
  m_<scope>_stack.at( m_<scope>_stack.size()-<negIndex>-1).<attr.name> = <expr>;
<else>
<if(index)>
  m_<scope>_stack.at(<index>).<attr.name> = <expr>;
<else>
  m_<scope>_stack.peek().<attr.name> = <expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack
 * itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<scope>.<attr.name>

```

```

<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>=<expr>;
<else>
<attr.name>=<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach
//
tokenLabelPropertyRef_text(scope,attr) ::= "<scope>->getText()"
tokenLabelPropertyRef_type(scope,attr)
::= "<scope>->get_type()"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>->get_line()"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>->get_charPositionInLine()"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>->get_channel()"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>->get_tokenIndex()"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>->get_tree()"
tokenLabelPropertyRef_int(scope,attr) ::= "<name>ImplTraits::ConvertToInt32(<scope>->getText())"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(this->get_strstream()->toStringSS(<scope>.start, <scope>.start))
<else>
(this->get_strstream()->toStringTT(<scope>.start, <scope>.stop))

```



```

<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/**
  Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>->get_type()"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>->get_line()"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>->get_charPositionInLine()"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>->get_channel()"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>->get_tokenIndex()"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>->getText()"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop"
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
this->get_input()->toStringSS( this->get_adaptor()->getTokenStartIndex(retval.start), this->get_adaptor()-
>getTokenStopIndex(retval.start))
<else>
this->get_strstream()->toStringTT(retval.start,
  this->LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "this->getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "this->get_state()->get_tokenStartLine()"
lexerRulePropertyRef_pos(scope,attr) ::= "this->get_state()->get_tokenStartCharPositionInLine()"
lexerRulePropertyRef_channel(scope,attr) ::= "this->get_state()->get_channel()"
lexerRulePropertyRef_start(scope,attr) ::= "this->get_state()->get_tokenStartCharIndex()"
lexerRulePropertyRef_stop(scope,attr) ::= "(this->getCharIndex()-1)"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_int(scope,attr) ::= "<name>ImplTraits::ConvertToInt32(<scope>->getText())"

// setting $st and $tree is allowed in local rule. everything else is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree=<expr>;"
ruleSetPropertyRef_st(scope,attr,expr)
  ::= "retval.st=<expr>;"

```

```

/** How to deal with an @after for C targets. Because we cannot rely on
 * any garbage collection, after code is executed even in backtracking
 * mode. Must be documented clearly.
 */
execAfter(action) ::= <<
{
  <action>
}
>>

/** How to execute an action (when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if ( <actions.(actionScope).synpredgate> )
{
  <action>
}
<else>
if ( BACKTRACKING == 0 )
{
  <action>
}
<endif>
<else>
{
  <action>
}
<endif>
>>

// M I S C (properties, etc...)

bitsetDeclare(bitsetName, words64, traits) ::= <<

/** Bitset defining follow set for error recovery in rule state: <name> */
static ANTLR_BITWORD <bitsetName>_bits[] = { <words64:{it |ANTLR_UINT64_LIT(<it>)}; separator=", "> };
static <traits>::BitsetListType <bitsetName>( <bitsetName>_bits, <length(words64)> );
>>

codeFileExtension() ::=
".cpp"

true_value() ::= "true"
false_value() ::= "false"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Cpp/Cpp.stg

```

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/*

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*/

/** Templates for building ASTs during normal parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* The situation is not too bad as rewrite (->) usage makes ^ and !

* invalid. There is no huge explosion of combinations.

*/

finishedBacktracking(block) ::= <<

<if(!ruleDescriptor.isSynPred)>

<if(backtracking)>

if

```

<actions.(actionScope).synpredgate>:
  <block>
<else>
<block>
<endif>
<endif>
>>

@ruleBody.setErrorReturnValue() ::= <<
retval.tree = self._adaptor.errorNode(self.input, retval.start, self.input.LT(-1), re)
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
<label>_tree = <createNodeFromToken(...)>
self._adaptor.addChild(root_0, <label>_tree)
})>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
<label>_tree = <createNodeFromToken(...)>
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={})
::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list
label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <%
<super.matchSet(postmatchCode={ <finishedBacktracking({ self._adaptor.addChild(root_0,
<createNodeFromToken(...)>})>}, ...)>
%>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
<super.matchSet(postmatchCode={ <finishedBacktracking({ root_0 =
self._adaptor.becomeRoot(<createNodeFromToken(...)>, root_0)})>}, ...)>
>>

// RULE REF AST

/** rule when output=AST
*/
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>

```

```

<finishedBacktracking({self._adaptor.addChild(root_0, <label>.tree)})>
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({root_0 = self._adaptor.becomeRoot(<label>.tree, root_0)})>
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions={ })
::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
self._adaptor.addChild(root_0, <label>_tree)
})>
>>

wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)

```

```

})>
>>

createNodeFromToken(label,terminalOptions={}) ::= <%
<if(terminalOptions.node)>
<terminalOptions.node>(<label>) <! new MethodNode(IDLabel) !>
<else>
self._adaptor.createWithPayload(<label>)
<endif>
%>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
self._adaptor.setTokenBoundaries(retval.tree, retval.start, retval.stop)
})>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Python/ASTParser.stg
No license file was found, but licenses were detected in source scan.

```

```

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef, ...

*/

finishedBacktracking(block) ::= <<

<if(backtracking)>

if <actions.(actionScope).synpredgate>:

<block>

<else>

<block>

<endif>

>>

/** Add a variable to track last element matched */

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

_first_0 = None

_last = None<\n>

>>

/** What to emit when there is no rewrite rule. For auto build

* mode, does nothing.

*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<finishedBacktracking({

<if(rewriteMode)>

retval.tree = _first_0

if self._adaptor.getParent(retval.tree) is not None and self._adaptor.isNil(self._adaptor.getParent(retval.tree)):

retval.tree = self._adaptor.getParent(retval.tree)

<endif>

})>

>>

/** match ^(root children) in tree parser; override here to

* add tree construction actions.


```

*/
tree(root, actionsAfterRoot, children, nullableChildList,
  enclosingTreeLevel, treeLevel) ::= <<
  _last = self.input.LT(1)
  _save_last_<treeLevel> = _last
  _first_<treeLevel> = None
  <if(!rewriteMode)>
  root_<treeLevel> = self._adaptor.nil()<\n>
  <endif>
  <root:element()>
  <if(rewriteMode)>
  <finishedBacktracking({
  <if(root.el.rule)>
  if
  _first_<enclosingTreeLevel> is None:
  _first_<enclosingTreeLevel> = <root.el.label>.tree<\n>
  <else>
  if _first_<enclosingTreeLevel> is None:
  _first_<enclosingTreeLevel> = <root.el.label><\n>
  <endif>
  })>
  <endif>
  <actionsAfterRoot:element()>
  <if(nullableChildList)>
  if self.input.LA(1) == DOWN:
  self.match(self.input, DOWN, None)
  <children:element()>
  self.match(self.input, UP, None)

  <else>
  self.match(self.input, DOWN, None)
  <children:element()>
  self.match(self.input, UP, None)<\n>
  <endif>
  <if(!rewriteMode)>
  self._adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>)<\n>
  <endif>
  _last = _save_last_<treeLevel>

  >>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={ }) ::= <<
  _last = self.input.LT(1)

```

```

<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={ })
::= <<
  _last = self.input.LT(1)
  <super.tokenRef(...)>
  <if(!rewriteMode)>
  <finishedBacktracking({
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node><(<label>)
  <else>
  <label>_tree = self._adaptor.dupNode(<label>)
  <endif><\n>
  self._adaptor.addChild(root_<treeLevel>, <label>_tree)
  })>
  <else> <! rewrite mode !>
  <finishedBacktracking({
  if _first_<treeLevel> is None:
    _first_<treeLevel> = <label><\n>
  })>
  <endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
  <tokenRef(...)>
  <listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
  _last = self.input.LT(1)
  <super.tokenRef(...)>
  <if(!rewriteMode)>
  <finishedBacktracking({
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node><(<label>)
  <else>
  <label>_tree = self._adaptor.dupNode(<label>)
  <endif><\n>
  root_<treeLevel>
  = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
  })>
  <endif>
>>

```

```

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.wildcard(...)>
<if(!rewriteMode)>
<finishedBacktracking({
<label>_tree = self._adaptor.dupTree(<label>)
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
})>
<else> <! rewrite mode !>
<finishedBacktracking({
if _first_<treeLevel> is None:
_first_<treeLevel> = <label>
})>
<endif>
>>

// SET AST
matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree
= self._adaptor.dupNode(<label>)
<endif><\n>
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
})>
<endif>
}, ...)>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
_last = self.input.LT(1)

```

```

<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
})>
<endif>
}, ...)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRef(...)>
<finishedBacktracking({
<if(!rewriteMode)>
self._adaptor.addChild(root_<treeLevel>,
<label>.tree)
<else> <! rewrite mode !>
if _first_<treeLevel> is None:
_first_<treeLevel> = <label>.tree<\n>
<endif>
})>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
root_<treeLevel> = self._adaptor.becomeRoot(<label>.tree, root_<treeLevel>)

```

```

})>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrack(...)>
>>

/**
x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
* change nextToken to nextNode.
*/
createRewriteNodeFromElement(token,scope,terminalOptions={ }) ::= <<
<if(terminalOptions.node)>
<terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>

```

```
<ifndef(!rewriteMode)>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
})>
<endif>
>>
```

Found

in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Python/ASTTreeParser.stg
```

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```
*/
```

```
/** Templates for building ASTs during normal parsing.
```

```
*
```

```
* Deal with many combinations. Dimensions are:
```

```

* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* The situation is not too bad as rewrite (->) usage makes ^ and !
* invalid. There is no huge explosion
of combinations.
*/

@rule.setErrorReturnValue() ::= <<
retval.tree = (<ASTLabelType>)(ADAPTOR->errorNode(ADAPTOR, INPUT, retval.start, LT(-1), EXCEPTION));
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
ADAPTOR->addChild(ADAPTOR, root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = <createNodeFromToken(...)>;
root_0 = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_0));
<if(backtracking)>}<endif>
>>

/**
ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>

```

```

<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
//
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(postmatchCode={<if(backtracking)>if ( <actions.(actionScope).synpredgate> )
<endif>ADAPTOR->addChild(ADAPTOR, root_0, <createNodeFromToken(...)>},...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions,postmatchCode) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(label)>
<label>=(<labelType>)LT(1);<\n>
<endif>
<super.matchSet(postmatchCode={<if(backtracking)>if ( <actions.(actionScope).synpredgate>
) <endif>root_0 = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <createNodeFromToken(...)>,
root_0));},...)>
>>

// RULE REF AST

```



```

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>ADAPTOR->addChild(ADAPTOR, root_0,
<label>.tree);
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>root_0 = (<ASTLabelType>)(ADAPTOR-
>becomeRoot(ADAPTOR, <label>.tree, root_0));
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelAST(...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope)
::= <<
<ruleRefBang(...)>
<listLabelAST(...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelAST(...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
ADAPTOR->addChild(ADAPTOR, root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

wildcardBang(token,label,elementIndex,terminalOptions) ::= "<super.wildcard(...)>"

```

```

wildcardRuleRoot(label,elementIndex) ::= <<
<super.wildcard(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
root_0 = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_0));
<if(backtracking)>}<endif>
>>

```

```

createNodeFromToken(label,terminalOptions)
::= <<
<if(terminalOptions.node)>
<terminalOptions.node>New(<label>) <! new MethodNode(IDLabel) !>
<else>
(<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>))
<endif>
>>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> )
{<\n>
<endif>
<if(!ruleDescriptor.isSynPred)>
retval.stop = LT(-1);<\n>
<endif>
retval.tree = (<ASTLabelType>)(ADAPTOR->rulePostProcessing(ADAPTOR, root_0));
ADAPTOR->setTokenBoundaries(ADAPTOR, retval.tree, retval.start, retval.stop);
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
<if(backtracking)>
}<\n>
<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/C/ASTParser.stg

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```

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```

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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/** Template subgroup to add template rewrite output
* If debugging, then you'll also get STDbg.stg loaded.
*/

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr.StringTemplate;
using Antlr.StringTemplate.Language;
<if(!backtracking)>
using Hashtable = System.Collections.Hashtable;
<endif>

>>

/**
Add this to each rule's return value struct */
@returnScope.ruleReturnMembers() ::= <<
private StringTemplate _st;
public StringTemplate Template { get { return _st; } set { _st = value; } }
public override string ToString() { return (Template==null) ? string.Empty : Template.ToString(); }
>>

```

```

@genericParser.members() ::= <<
<@super.members(>
protected StringTemplateGroup templateLib = new StringTemplateGroup("<name>Templates",
typeof(AngleBracketTemplateLexer) );

public StringTemplateGroup TemplateLib
{
get { return this.templateLib; }
set { this.templateLib = value; }
}

/// \<summary> Allows convenient multi-value initialization:
/// "new STAttrMap().Add(...).Add(...)"
/// \</summary>
protected class STAttrMap : Hashtable
{
public STAttrMap Add(string attrName, object value)
{
base.Add(attrName, value);
return this;
}
public STAttrMap Add(string attrName, int value)
{
base.Add(attrName, value);
return this;
}
}
>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Template",...)>
>>

rewriteTemplate(alts) ::= <<

// TEMPLATE REWRITE
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> )
{
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>

```

```
>>
```

```
replaceTextInLine() ::= <<  
<if(TREE_PARSER)>  
((TokenRewriteStream)input.TokenStream).Replace(  
input.TreeAdaptor.GetTokenStartIndex(retval.Start),  
input.TreeAdaptor.GetTokenStopIndex(retval.Start),  
retval.Template);  
<else>  
((TokenRewriteStream)input).Replace(  
((IToken)retval.Start).TokenIndex,  
input.LT(-1).TokenIndex,  
retval.Template);  
<endif>  
>>
```

```
rewriteTemplateAlt() ::= <<  
// <it.description>  
<if(it.pred)>  
if (<it.pred>) {  
    retval.Template = <it.alt>;  
}<\n>  
<else>  
{  
    retval.Template = <it.alt>;  
}<\n>  
<endif>  
>>
```

```
rewriteEmptyTemplate(alts) ::= <<  
null;  
>>
```

```
/** Invoke a template with a set of attribute name/value pairs.  
 * Set the value of the rule's template after having set  
 * the attributes because the rule's template might be used as  
 * an attribute to build a bigger template; you get a self-embedded  
 * template.  
 */
```

```
rewriteExternalTemplate(name,args) ::= <<  
templateLib.GetInstanceOf("<name>"<if(args)>,  
new STAttrMap(<args:{a | .Add("<a.name>", <a.value>)}>  
<endif>)  
>>
```

```
/** expr is a string expression that says what template to load */  
rewriteIndirectTemplate(expr,args) ::= <<  
templateLib.GetInstanceOf(<expr><if(args)>,  

```

```

new STAttrMap(<args:{a | .Add("<a.name>", <a.value>)}>
<endif>)
>>

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <<
new StringTemplate(templateLib, "<template>"<if(args)>,
  new STAttrMap(<args:{a | .Add("<a.name>", <a.value>)}>
<endif>)
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>).SetAttribute("<attrName>",<expr>);
>>

/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
new StringTemplate(templateLib,<stringExpr>)
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp2/ST.stg

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* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/** Template overrides to add debugging to normal Java output;
 * If ASTs are built, then you'll also get ASTDbg.stg loaded.
 */

```

```
@outputFile.debugPreprocessor() ::= "#define ANTLR_DEBUG"
```

```

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr.Runtime.Debug;
using IOException
  = System.IO.IOException;
>>

```

```

@genericParser.members() ::= <<
<if(grammar.grammarIsRoot)>
public static readonly string[] ruleNames =
  new string[]
  {
    "invalidRule", <grammar.allImportedRules:{rST | "<rST.name>"}; wrap="\n ", separator=", ">
  };<\n>
<endif>
<if(grammar.grammarIsRoot)><! grammar imports other grammar(s) !>
int ruleLevel = 0;
public virtual int RuleLevel { get { return ruleLevel; } }
public virtual void IncRuleLevel() { ruleLevel++; }
public virtual void DecRuleLevel() { ruleLevel--; }
<if(profile)>
  <ctorForProfilingRootGrammar()>
<else>
  <ctorForRootGrammar()>
<endif>
<ctorForPredefinedListener()>
<else><! imported grammar !>
public int RuleLevel { get { return <grammar.delegators:{g| <g.delegateName()>>.RuleLevel; } }

```

```

public void IncRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>.IncRuleLevel(); }
public void DecRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>.DecRuleLevel(); }
<ctorForDelegateGrammar()>
<endif>
<if(profile)>
public
override bool AlreadyParsedRule( IIntStream input, int ruleIndex )
{
int stopIndex = GetRuleMemoization(ruleIndex, input.Index);
((Profiler)dbg).ExamineRuleMemoization(input, ruleIndex, stopIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
return base.AlreadyParsedRule(input, ruleIndex);
}<\n>
public override void Memoize( IIntStream input, int ruleIndex, int ruleStartIndex )
{
((Profiler)dbg).Memoize(input, ruleIndex, ruleStartIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
base.Memoize(input, ruleIndex, ruleStartIndex);
}<\n>
<endif>
protected virtual bool EvalPredicate( bool result, string predicate )
{
dbg.SemanticPredicate( result, predicate );
return result;
}<\n>
>>

ctorForRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<! Same except we add port number and profile stuff if root grammar !>
<actions.(actionScope).ctorModifier; null="public">
<name>( <inputStreamType> input )
: this( input, DebugEventSocketProxy.DefaultDebuggerPort, new RecognizerSharedState() )
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input, int port,
RecognizerSharedState state )
: base( input, state )
{
<createListenerAndHandshake()>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>( input, dbg, this.state,
this<grammar.delegators:{g|, <g:delegateName()>>> );}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

ctorForProfilingRootGrammar() ::= <<

```



```

<! bug: can't use <@super.members()> cut-n-paste instead !>
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input )
: this( input, new Profiler(null), new RecognizerSharedState() )
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state )
: base( input, dbg, state )
{
Profiler p = (Profiler)dbg;
p.setParser(this);
<grammar.directDelegates:

{g|<g:delegateName()> = new <g.recognizerName>( input, dbg, this.state, this<grammar.delegators:{ g|,
<g:delegateName()>> );}; separator="\n">
<parserCtorBody()>
<@finally()>
}
<\n>
>>

/** Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state<grammar.delegators:{ g|, <g.recognizerName> <g:delegateName()>> )
: base( input, dbg, state )
{
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>( input, this, this.state<grammar.delegators:{ g|,
<g:delegateName()>> );}; separator="\n">
<parserCtorBody()>
}<\n>
>>

ctorForPredefinedListener() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input, IDebugEventListener dbg
)
<@superClassRef>: base( input, dbg, new RecognizerSharedState()
)<@end>
{
<if(profile)>
Profiler p = (Profiler)dbg;
p.setParser(this);
<endif>
<grammar.directDelegates:{ g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{ g|, <g:delegateName()>>);}; separator="\n">
<parserCtorBody()>
<@finally()>

```

```

}<\n>
>>

createListenerAndHandshake() ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port, input.TreeAdaptor );<\n>
<else>
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port, null );<\n>
<endif>
DebugListener = proxy;
try
{
proxy.Handshake();
}
catch ( IOException ioe )
{
ReportError( ioe );
}
>>

@genericParser.superClassName() ::= "Debug<@super.superClassName()>"

/*
* Many of the following rules were merged into CSharp2.stg.
*/

@rule.preamble() ::= <<
if (RuleLevel == 0)
DebugListener.Commence();
IncRuleLevel();
>>
//@rule.preamble() ::= <<
//try
//{
// dbg.EnterRule( GrammarFileName,
// "<ruleName>" );
// if ( RuleLevel == 0 )
// {
// dbg.Commence();
// }
// IncRuleLevel();
// dbg.Location( <ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine> );<\n>
//>>

@rule.postamble() ::= <<
DecRuleLevel();
if (RuleLevel == 0)
DebugListener.Terminate();

```

```

>>
//@rule.postamble() ::= <<
//dbg.Location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>
//}
//finally
//{{
// dbg.ExitRule( GrammarFileName, "<ruleName>" );
// DecRuleLevel();
// if ( RuleLevel == 0 )
// {
//   dbg.Terminate();
// }
//}<\n>
//>>

//@insertSynpreds.start() ::= "dbg.BeginBacktrack( state.backtracking );"
//@insertSynpreds.stop() ::= "dbg.EndBacktrack( state.backtracking, success );"

// Common debug event triggers used by region overrides below

//enterSubRule() ::= <<
//try
//{{
// dbg.EnterSubRule( <decisionNumber> );<\n>
//>>

//exitSubRule() ::= <<
//}
//finally
//{{
// dbg.ExitSubRule( <decisionNumber> );
//}<\n>
//>>

//enterDecision()
::= <<
//try
//{{
// dbg.EnterDecision( <decisionNumber> );<\n>
//>>

//exitDecision() ::= <<
//}
//finally
//{{
// dbg.ExitDecision( <decisionNumber> );
//}<\n>
//>>

```

```

//enterAlt(n) ::= "dbg.EnterAlt( <n> );<\n>"

// Region overrides that tell various constructs to add debugging triggers

//@block.predecision() ::= "<enterSubRule()><enterDecision()>"

//@block.postdecision() ::= "<exitDecision()>"

//@block.postbranch() ::= "<exitSubRule()>"

//@ruleBlock.predecision() ::= "<enterDecision()>"

//@ruleBlock.postdecision() ::= "<exitDecision()>"

//@ruleBlockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@blockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

//@positiveClosureBlock.postloop() ::= "<exitSubRule()>"

//@positiveClosureBlock.predecision() ::= "<enterDecision()>"

//@positiveClosureBlock.postdecision() ::= "<exitDecision()>"

//@positiveClosureBlock.earlyExitException()
::=
// "dbg.RecognitionException( eee<decisionNumber> );<\n>"

//@closureBlock.preloop() ::= "<enterSubRule()>"

//@closureBlock.postloop() ::= "<exitSubRule()>"

//@closureBlock.predecision() ::= "<enterDecision()>"

//@closureBlock.postdecision() ::= "<exitDecision()>"

//@altSwitchCase.preal() ::= "<enterAlt(n=i)>"

//@element.prematch() ::=
// "dbg.Location( <it.line>, <it.pos> );"

//@matchSet.mismatchedSetException() ::=
// "dbg.RecognitionException( mse );"

//@dfaState.noViableAltException() ::= "dbg.RecognitionException( nvae );"

```

```

//@dfaStateSwitch.noViableAltException() ::= "dbg.RecognitionException( nvae );"

//dfaDecision(decisionNumber,description) ::= <<
//try
//{
// isCyclicDecision = true;
// <super.dfaDecision(...)>
//}
//catch ( NoViableAltException nvae )
//{
// dbg.RecognitionException( nvae );
// throw nvae;
//}
//>>

//@cyclicDFA.errorMethod() ::= <<
//public override void Error( NoViableAltException nvae )
//{
// ((DebugParser)recognizer).dbg.RecognitionException(
// nvae );
//}
//>>

/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
EvalPredicate(<pred>, "<description>")
>>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/CSharp2/Dbg.stg

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```

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*/

```

```

/** Template overrides to add debugging to AST stuff. Dynamic inheritance
* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.
*/

```

```

parserMembers() ::= <<
// Implement this function in your helper file to use a custom tree adaptor
partial void InitializeTreeAdaptor();
protected
DebugTreeAdaptor adaptor;

public ITreeAdaptor TreeAdaptor
{
get
{
return adaptor;
}
set
{
<if(grammar.grammarIsRoot)>
this.adaptor = new DebugTreeAdaptor(dbg,adaptor);
<else>
this.adaptor = (DebugTreeAdaptor)adaptor; // delegator sends dbg adaptor
<endif><\n>
<grammar.directDelegates:{g|<g:delegateName().TreeAdaptor = this.adaptor;}>
}
}<\n>
>>

```

```

parserCtorBody() ::= <<

```

```

<super.parserCtorBody(>
>>

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port,
<if(TREE_PARSER)>input.TreeAdaptor<else>adaptor<endif> );
DebugListener = proxy;
<inputStreamType> = new Debug<inputStreamType>( input, proxy );
try
{
    proxy.Handshake();
}
catch ( IOException ioe )
{
    ReportError( ioe );
}
>>

@ctorForRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
proxy.TreeAdaptor = adap;
>>

@ctorForProfilingRootGrammar.finally() ::= <<
ITreeAdaptor adap
= new CommonTreeAdaptor();
TreeAdaptor = adap;
>>

@ctorForPredefinedListener.superClassRef() ::= " : base( input, dbg )"

@ctorForPredefinedListener.finally() ::= <<
<if(grammar.grammarIsRoot)><! don't create new adaptor for delegates !>
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;<\n>
<endif>
>>

//@rewriteElement.pregen() ::= "dbg.Location( <e.line>, <e.pos> );"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/ASTDbg.stg
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group Dbg;

```

/*

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*/

```
@parserBody.mixins() ::= <<
include ANTLR3::<if(profile)>Profile<else>Debug<endif>::ParserEvents
>>
```

```
@parserBody.additionalMembers() ::= <<
<if(grammar.grammarIsRoot)>
RULE_NAMES = [
:invalid_rule, <grammar.allImportedRules:{rST|:<rST.name>}>; wrap="\n ", separator=", ">
].freeze
<endif>
>>
```

```
@rule.body() ::= <<
in_rule(grammar_file_name, "<ruleName>") do
@debug_listener.location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.column>)
```



```

<@super.body()>

@debug_listener.location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.column>)
end
>>

// Common debug event triggers used by region overrides below
enterSubRule() ::= <<
in_subrule(<decisionNumber>) do<\n>
>>

exitSubRule() ::= <<
end<\n>
>>

enterDecision() ::= <<
in_decision(<decisionNumber>) do<\n>
>>

exitDecision() ::= <<
end<\n>
>>

enterAlt(n) ::= <<
in_alternative(<n>)<\n>
>>

// Region overrides that tell various constructs to add debugging triggers
@block.body() ::= <<
in_subrule(<decisionNumber>) do
  <@super.body()>
end
>>

// @blockBody.predecision() ::= "<enterSubRule()>"
// @blockBody.postdecision() ::= "<exitDecision()>"
// @blockBody.postbranch() ::= "<exitSubRule()>"
@blockBody.decision() ::= <<
in_decision(<decisionNumber>) do
  <@super.decision()>
end

```

>>

```
@ruleBlock.decision() ::= <<
in_decision(<decisionNumber>) do
  <@super.decision()>
end<\n>
>>
```

```
@ruleBlockSingleAlt.preal()
::= "<enterAlt(n={1})>"
```

```
@blockSingleAlt.preal() ::= "<enterAlt(n={1})>"
```

```
@positiveClosureBlock.loopBody() ::= <<
in_subrule(<decisionNumber>) do
  <@super.loopBody()>
end
>>
```

```
@positiveClosureBlockLoop.decisionBody() ::= <<
in_decision(<decisionNumber>) do
  <@super.decisionBody()>
end
>>
```

```
@positiveClosureBlockLoop.earlyExitException() ::= <<
@debug_listener.recognition_exception(eee)
>>
```

```
@closureBlock.loopBody() ::= <<
in_subrule(<decisionNumber>) do
  <@super.loopBody()>
end
>>
```

```
@closureBlockLoop.decisionBody() ::= <<
in_decision(<decisionNumber>) do
  <@super.decisionBody()>
end
>>
```

```

@altSwitchCase.preatt() ::= "<enterAlt(altNum)>" // altNum is arg of altSwitchCase

element(e) ::= <<
@debug_listener.location(<e.line>, <e.pos>) // e is arg of element
<super.element(e)>
>>

@matchSet.mismatchedSetException() ::= "@debug_listener.recognition_exception(mse)"

@dfaState.noViableAltException() ::=
<<
nvae = NoViableAlternative( "<description>", <decisionNumber>, <stateNumber> )
@debug_listener.recognition_exception( nvae )
raise( nvae )<\n>
>>

@dfaStateSwitch.noViableAltException() ::= <<
nvae = NoViableAlternative( "<description>", <decisionNumber>, <stateNumber> )
@debug_listener.recognition_exception( nvae )
raise( nvae )<\n>
>>

dfaDecision(decisionNumber,description) ::= <<
begin
@state.cyclic_decision = true
<super.dfaDecision(...)>
rescue ANTLR3::Error::NoViableAlternative => nvae
@debug_listener.recognition_exception(nvae)
raise
end
>>

@cyclicDFA.errorMethod() ::= <<
def error(nvae)
@recognizer.debug_listener.recognition_exception(nvae)
super
end
>>
/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
predicate?("<description>") { <pred> }
>>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Ruby/Dbg.stg

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*/

/** The API version of the runtime that recognizers generated by this runtime

* need.

*/

apiVersion() ::= "1"

// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"

// The Java version of Boolean returns "true" and "false", so they map to themselves here.

booleanLiteral ::= [

 "True": "true",

 "False": "false",

 "true": "true",

 "false": "false",

 default: "false"

]

```

/**
 The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
           docComment, recognizer,
           name, tokens, tokenNames, rules, cyclicDFAs,
           bitsets, buildTemplate, buildAST, rewriteMode, profile,
           backtracking, synpreds, memoize, numRules,
           fileName, ANTLRVersion, generatedTimestamp, trace,
           scopes, superClass, literals) ::=

<<
# $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>
import sys
from antlr3 import *
<if(TREE_PARSER)>
from antlr3.tree import *<\n>
<endif>
from antlr3.compat import set, frozenset
<@end>

<actions.(actionScope).header>

<! <docComment> !>

# for convenience in actions
HIDDEN = BaseRecognizer.HIDDEN

# token types
<tokens:{it | <it.name>=<it.type>}; separator="\n">

<recognizer>

<if(actions.(actionScope).main)>
<actions.(actionScope).main>
<else>
def
  main(argv, stdin=sys.stdin, stdout=sys.stdout, stderr=sys.stderr):
<if(LEXER)>
  from antlr3.main import LexerMain
  main = LexerMain(<recognizer.name>)<\n>
<endif>
<if(PARSER)>
  from antlr3.main import ParserMain
  main = ParserMain("<recognizer.grammar.name>Lexer", <recognizer.name>)<\n>

```

```

<endif>
<if(TREE_PARSER)>
    from antlr3.main import WalkerMain
    main = WalkerMain(<recognizer.name>)<\n>
<endif>
main.stdin = stdin
main.stdout = stdout
main.stderr = stderr
main.execute(argv)<\n>
<endif>

<actions.(actionScope).footer>

if __name__ == '__main__':
    main(sys.argv)

>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode,
    labelType="CommonToken", superClass="Lexer") ::= <<
<grammar.directDelegates:
{g|from <g.recognizerName> import <g.recognizerName>; separator="\n">

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
    <scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>> }>

    grammarFileName = "<fileName>"
    api_version = <apiVersion()>

    def __init__(self<grammar.delegators: {g|, <g:delegateName()>}>, input=None, state=None):
        if state is None:
            state = RecognizerSharedState()
            super(<grammar.recognizerName>, self).__init__(input, state)

<if(memoize)>
<if(grammar.grammarIsRoot)>
    self._state.ruleMemo = {}
<endif>
<endif>

    <grammar.directDelegates:
    {g|self.<g:delegateName()> = <g.recognizerName>(<trunc(g.delegators): {p|<p:delegateName()>, }>self, input,
state)); separator="\n">
    <grammar.directDelegates:
    {g|<g.delegates: {h|self.<h:delegateName()> = self.<g:delegateName()>.<h:delegateName()>};
separator="\n">}; separator="\n">
    <grammar.delegators:
    {g|self.<g:delegateName()> = <g:delegateName()>}; separator="\n">

```

```

<last(grammar.delegators):
{g|self.gParent = <g.delegateName(>}; separator="\n">
  self.delegates = [<grammar.delegates: {g|self.<g.delegateName(>}; separator = ", ">]

<cyclicDFAs:{dfa | <cyclicDFAInit(dfa)>}; separator="\n">

<actions.lexer.init>

<actions.lexer.members>

<if(filterMode)>
  <filteringNextToken()>
<endif>
<rules; separator="\n\n">

<synpreds:{p | <lexerSynpred(p)>}>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
def nextToken(self):
  while True:
    if self.input.LA(1) == EOF:
      return self.makeEOFToken()

    self._state.token = None
    self._state.channel = DEFAULT_CHANNEL

    self._state.tokenStartCharIndex = self.input.index()
    self._state.tokenStartCharPositionInLine = self.input.charPositionInLine
    self._state.tokenStartLine = self.input.line
    self._state._text = None
    try:
      m = self.input.mark()
      try:
        # means we won't throw slow exception
        self._state.backtracking = 1

```

```

    try:
        self.mTokens()
    finally:
        self._state.backtracking = 0

except BacktrackingFailed:
    # mTokens backtracks with synpred at backtracking==2
    # and we set the synpredgate to allow actions at level 1.
    self.input.rewind(m)
    self.input.consume() # advance one char and try again

else:
    self.emit()
    return self._state.token

except RecognitionException, re:
    # shouldn't happen in backtracking
mode, but...
    self.reportError(re)
    self.recover(re)

def memoize(self, input, ruleIndex, ruleStartIndex, success):
    if self._state.backtracking > 1:
        # is Lexer always superclass?
        super(<grammar.recognizerName>, self).memoize(input, ruleIndex, ruleStartIndex, success)

def alreadyParsedRule(self, input, ruleIndex):
    if self._state.backtracking > 1:
        return super(<grammar.recognizerName>, self).alreadyParsedRule(input, ruleIndex)
    return False

>>

actionGate() ::= "self._state.backtracking == 0"

filteringActionGate() ::= "self._state.backtracking == 1"

/** How to generate a parser */

genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, inputStreamType, superClass, labelType, members,
    rewriteElementType, filterMode, init, ASTLabelType="Object") ::= <<
<if(grammar.grammarIsRoot)>
# token names
tokenNames = [

```



```

"\<invalid>", "\<EOR>", "\<DOWN>",
"\<UP>",
<tokenNames; wrap, separator=" ">
]<\n>
<else>
from <grammar.composite.rootGrammar.recognizerName> import tokenNames<\n>
<endif>
<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScopeClass(scope=it)><endif>}>

<grammar.directDelegates:
{g|from <g.recognizerName> import <g.recognizerName>; separator="\n">

<rules:{it|<ruleAttributeScopeClass(scope=it.ruleDescriptor.ruleScope)>}>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
    grammarFileName = "<fileName>"
    api_version = <apiVersion()>
    tokenNames = tokenNames

    def __init__(self<grammar.delegators:{g|, <g.delegateName()>}>, input, state=None, *args, **kwargs):
        if state is None:
            state = RecognizerSharedState()

        <@args()>
        super(<grammar.recognizerName>, self).__init__(input, state, *args, **kwargs)

<if(memoize)>
<if(grammar.grammarIsRoot)>
    self._state.ruleMemo = {}
<endif>
<endif>

    <cyclicDFAs:{dfa
| <cyclicDFAInit(dfa)>}>; separator="\n">

    <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeStack(scope=it)><endif>}>
<rules:{it | <ruleAttributeScopeStack(scope=it.ruleDescriptor.ruleScope)>}>

<init>

<grammar.delegators:
{g|self.<g.delegateName()> = <g.delegateName()>}>; separator="\n">
<grammar.directDelegates:
{g|self.<g.delegateName()> = <g.recognizerName>(<trunc(g.delegators):{p|<p.delegateName()>, }>self, input,
state)}>; separator="\n">
<grammar.directDelegates:
{g|<g.delegates:{h|self.<h.delegateName()> = self.<g.delegateName()>.<h.delegateName()>}>
separator="\n">}>; separator="\n">

```

```

    <last(grammar.delegates):
    {g|self.gParent = self.<g:delegateName(>}; separator="\n">
    self.delegates = [<grammar.delegates: {g|self.<g:delegateName(>}; separator = ", ">]

<@init><@end>

<@members><@end>

<members>

<rules; separator="\n\n">

<! generate rule/method definitions for imported rules so they
    appear to be defined in this recognizer. !>
<grammar.delegatedRules:{ruleDescriptor| <delegateRule(ruleDescriptor)> }; separator="\n">

<synpreds:{p | <synpred(p)>>

<cyclicDFAs:cyclicDFA(> <! dump tables for all DFA !>

<bitsets:{it | FOLLOW_<it.name>_in_<it.inName><it.tokenIndex> = frozenset([<it.tokenTypes:{it |
<it>};separator=", ">])<n>>

>>

delegateRule(ruleDescriptor) ::= <<
def <ruleDescriptor.name>(self, <ruleDescriptor.parameterScope:parameterScope(>):
<\> <if(ruleDescriptor.hasReturnValue)>return
<endif>self.<ruleDescriptor.grammar:delegateName(>.<ruleDescriptor.name><(if(ruleDescriptor.parameterScope)
><ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", "><endif>)

>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
    ASTLabelType="Object", superClass="Parser", labelType="Token",
    members={<actions.parser.members>},
    init={<actions.parser.init>}
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, "TokenStream", superClass,
    labelType, members, "Token",
    false, init, ASTLabelType)>

>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.

```

```

*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
    numRules, bitsets, filterMode, labelType={ <ASTLabelType> }, ASTLabelType="Object",
    superClass={ <if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif> },
    members={ <actions.treeparser.members> },
    init={ <actions.treeparser.init> }
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, "TreeNodeStream", superClass,
    labelType, members, "Node",
    filterMode, init, ASTLabelType)>
>>

/**
A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
# $ANTLR start "<ruleName>"
def <ruleName>_fragment(self, <ruleDescriptor.parameterScope:parameterScope()):
    <ruleLabelDefs()>
<if(trace)>
    self.traceIn("<ruleName>_fragment", <ruleDescriptor.index>)
    try:
        <block>

    finally:
        self.traceOut("<ruleName>_fragment", <ruleDescriptor.index>)

<else>
    <block>
<endif>
# $ANTLR end "<ruleName>"

>>

synpred(name) ::= <<
def <name>(self):
    self._state.backtracking += 1
    <@start()>

```

```

start = self.input.mark()
try:
    self.<name>_fragment()
except BacktrackingFailed:
    success = False
else:
    success = True
self.input.rewind(start)
<@stop()>
self._state.backtracking -= 1
return success

>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if self._state.backtracking > 0 and self.alreadyParsedRule(self.input, <ruleDescriptor.index>):
    # for cached failed rules, alreadyParsedRule will raise an exception
    success = True
    return <ruleReturnValue()>

<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if self._state.backtracking > 0:
    raise BacktrackingFailed

<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize)
::= <<
<returnScope(scope=ruleDescriptor.returnScope)>

# $ANTLR start "<ruleName>"
# <fileName>:<description>
<ruleDescriptor.actions.decorate>

```

```

def <ruleName>(self, <ruleDescriptor.parameterScope:parameterScope>):
<if(trace)>
  self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  <ruleLabelDefs()>
  <ruleDescriptor.actions.init>
  <@preamble()>
  <@body><ruleBody()><@end>
  <@postamble()>
  return <ruleReturnValue()>

# $ANTLR end "<ruleName>"
>>

ruleBody() ::= <<
<if(memoize)>
<if(backtracking)>
success = False<\n>
<endif>
<endif>
try:
  try:
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp()>
    <(ruleDescriptor.actions.after):execAction()>

<if(memoize)>
<if(backtracking)>
  success = True<\n>
<endif>
<endif>
<if(exceptions)>
  <exceptions:{e|<catch(decl=e.decl.action=e.action)><\n>}>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
  <actions.(actionScope).rulecatch>
<else>
  except RecognitionException, re:
    self.reportError(re)
    self.recover(self.input, re)
    <@setErrorReturnValue()>

<endif>
<else>

```

```

    finally:
        pass

<endif>
<endif>
finally:
<if(trace)>
    self.traceOut("<ruleName>", <ruleDescriptor.index>)\n)
<endif>
    <memoize()>
    <ruleScopeCleanUp()>
    <finally>
    pass
>>

catch(decl,action) ::= <<
except <e.decl>:
    <e.action>

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval = self.<ruleDescriptor.name>_return()
retval.start = self.input.LT(1)\n)
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.name> = <if(a.initValue)><a.initValue><else>None<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = self.input.index()
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it |
self.<it>_stack.append(<it>_scope()); separator="\n">
<ruleDescriptor.ruleScope: { it | self.<it.name>_stack.append(<it.name>_scope()); separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { it | self.<it>_stack.pop(); separator="\n">
<ruleDescriptor.ruleScope: { it | self.<it.name>_stack.pop(); separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,

```

```

ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
  :{it | <it.label.text> = None }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,
ruleDescriptor.wildcardTreeListLabels]
  :{it | list_<it.label.text> = None }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{it | <it.label.text> = None }; separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]

  :{it | <it.label.text> = None }; separator="\n"
>
<ruleDescriptor.charLabels:{it | <it.label.text> = None }; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
  :{it | list_<it.label.text> = None }; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

```

```

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = self.input.LT(-1)<\n>
<endif>
<endif>
>>

```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>

```

```

if self._state.backtracking > 0:
    self.memoize(self.input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex, success)

<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize)
::= <<
# $ANTLR start "<ruleName>"
def m<ruleName>(self, <ruleDescriptor.parameterScope:parameterScope>):
<if(trace)>
    self.traceIn("<ruleName>", <ruleDescriptor.index>)\n
<endif>
    <ruleScopeSetUp()>
    <ruleDeclarations()>
<if(memoize)>
<if(backtracking)>
    success = False\n
<endif>
<endif>
    try:
<if(nakedBlock)>
        <ruleMemoization(name=ruleName)>
        <lexerRuleLabelDefs()>
        <ruleDescriptor.actions.init>
        <block>\n
<else>
        _type = <ruleName>
        _channel = DEFAULT_CHANNEL

        <ruleMemoization(name=ruleName)>
        <lexerRuleLabelDefs()>
        <ruleDescriptor.actions.init>
        <block>
        <ruleCleanUp()>
        self._state.type = _type
        self._state.channel = _channel
        <(ruleDescriptor.actions.after):execAction()>
<endif>
<if(memoize)>
<if(backtracking)>
    success = True\n
<endif>
<endif>

```



```

    finally:
<if(trace)>
    self.traceOut("<ruleName>",
<ruleDescriptor.index><\n>
<endif>
<ruleScopeCleanUp()>
    <memoize()>
    pass

# $ANTLR end "<ruleName>"

>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
def mTokens(self):
    <block><\n>

>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
# <fileName>:<description>
alt<decisionNumber> = <maxAlt>
<decls>
<@body><blockBody()><@end>
>>

blockBody() ::= <<
<@predecision()>
<@decision><decision><@end>
<@postdecision()>
<@prebranch()>
<alts:{ a | <altSwitchCase(i, a)>}; separator="\n" >
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
# <fileName>:<description>
alt<decisionNumber>

```

```

= <maxAlt>
<decls>
<@predecision()>
<@decision><decision><@end>
<@postdecision()>
<alts:{ a | <altSwitchCase(i, a)>}; separator="\nel">
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
# <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
# <fileName>:<description>
cnt<decisionNumber> = 0
<decls>
<@preloop()>
<@loopBody>
<positiveClosureBlockLoop()>
<@end>
<@postloop()>
>>

positiveClosureBlockLoop() ::= <<
while True: #loop<decisionNumber>

alt<decisionNumber> = <maxAlt>
<@predecision()>
<@decisionBody><decision><@end>
<@postdecision()>
<alts:{ a | <altSwitchCase(i, a)>}; separator="\nel">
else:
    if cnt<decisionNumber> >= 1:

```

```

        break #loop<decisionNumber>

<ruleBacktrackFailure()>
    eee = EarlyExitException(<decisionNumber>, self.input)
    <@earlyExitException()>
    raise eee

    cnt<decisionNumber> += 1
>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
# <fileName>:<description>
<decls>
<@preloop()>
<@loopBody>
<closureBlockLoop()>
<@end>
<@postloop()>
>>

closureBlockLoop() ::= <<
while True: #loop<decisionNumber>
    alt<decisionNumber> = <maxAlt>
    <@predecision()>
    <@decisionBody><decision><@end>
    <@postdecision()>
    <alts:{a | <altSwitchCase(i,
a)>} ; separator="\nel">
    else:
        break #loop<decisionNumber>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
* number. A DFA predicts the alternative and then a simple switch
* does the jump to the code that actually matches that alternative.

```

```

*/
altSwitchCase(altNum,alt) ::= <<
if alt<decisionNumber> == <altNum>:
  <@prealt()>
  <alt>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt, treeLevel,rew) ::= <<
# <fileName>:<description>
pass <! so empty alternatives are a valid block !>
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
>>

/** What to emit when there is no rewrite. For auto build
* mode,
* does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label> = <endif>self.match(self.input, <token>,
self.FOLLOW_<token>_in_<ruleName><elementIndex>)
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label, elem) ::= <<
if list_<label> is None:
  list_<label> = []
list_<label>.append(<elem>)<\n>
>>

```

```

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.match(<char>)
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchRange(<a>, <b>)
>>

/**
For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
if <s>:
    self.input.consume()
    <postmatchCode>
<if(!LEXER)>
    self._state.errorRecovery = False<\n>
<endif>

else:
    <ruleBacktrackFailure()>
    mse = MismatchedSetException(None, self.input)
    <@mismatchedSetException()>
<if(LEXER)>
    self.recover(mse)
    raise mse
<else>
    raise mse
<! use following code to make it recover inline; remove throw mse;
self.recoverFromMismatchedSet(
    self.input, mse, self.FOLLOW_set_in_<ruleName><elementIndex>
)
!>
<endif>
<\n>
>>

```

```
matchRuleBlockSet ::= matchSet
```

```
matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<  
<matchSet(...)>  
<listLabel(label, label)>  
>>
```

```
/** Match a string literal */
```

```
lexerStringRef(string,label,elementIndex="0") ::= <<  
<if(label)>  
<label>Start = self.getCharIndex()  
self.match(<string>)  
<label>StartLine<elementIndex>  
= self.getLine()  
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()  
<label> = <labelType>(input=self.input, type=INVALID_TOKEN_TYPE, channel=DEFAULT_CHANNEL,  
start=<label>Start, stop=self.getCharIndex()-1)  
<label>.setLine(<label>StartLine<elementIndex>)  
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)  
<else>  
self.match(<string>)  
<endif>  
>>
```

```
wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<  
<if(label)>  
<label> = self.input.LT(1)<\n>  
<endif>  
self.matchAny(self.input)  
>>
```

```
wildcardAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<  
<wildcard(...)>  
<listLabel(label,label)>  
>>
```

```
/** Match . wildcard in lexer */
```

```
wildcardChar(label, elementIndex) ::= <<  
<if(label)>  
<label> = self.input.LA(1)<\n>  
<endif>  
self.matchAny()  
>>
```

```
wildcardCharListLabel(label, elementIndex) ::= <<  
<wildcardChar(label, elementIndex)>  
<listLabel(label, label)>  
>>
```

```

/**
  Match a rule reference by invoking it possibly with arguments
  * and a return value or values. The 'rule' argument was the
  * target rule name, but now is type Rule, whose toString is
  * same: the rule name. Now though you can access full rule
  * descriptor stuff.
  */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
self._state.following.append(self.FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
<if(label)><label> = <endif>self.<if(scope)><scope:delegateName()>.<endif><rule.name>(<args; separator=",
">)<\n>
self._state.following.pop()
>>

/** ids+=rule */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference
  * The 'rule' argument was the target rule name, but now
  * is type Rule, whose toString is same: the rule name.
  * Now though you can access full rule descriptor stuff.
  */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
<label>Start<elementIndex>
= self.getCharIndex()
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">)
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(
  input=self.input,
  type=INVALID_TOKEN_TYPE,
  channel=DEFAULT_CHANNEL,
  start=<label>Start<elementIndex>,
  stop=self.getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">)
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<

```

```

<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex>
= self.getCharPositionInLine()
self.match(EOF)
<label> = <labelType>(input=self.input, type=EOF, channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>, stop=self.getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
self.match(EOF)
<endif>
>>

// used for left-recursive rules
recRuleDefArg()          ::= "<recRuleArg()>"
recRuleArg()            ::= "_p"
recRuleAltPredicate(ruleName, opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0 = $<ruleName>_primary.tree"
recRuleSetReturnAction(src, name)    ::= "$<name> = $<src>.<name>"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) ==
DOWN:
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is

```



```

* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if not (<evalPredicate(pred, description)>):
    <ruleBacktrackFailure()>
    raise FailedPredicateException(self.input, "<ruleName>", "<description>")

>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
else:
<if(eotPredictsAlt)>
    alt<decisionNumber> = <eotPredictsAlt>
<else>
    <ruleBacktrackFailure()>
    nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
    <@noViableAltException()>
    raise nvae<\n>
<endif>
>>

/** Same as a normal DFA state except that we don't examine lookahead
* for the bypass alternative. It delays error detection but this
* is faster, smaller, and more what people expect. For (X)? people
* expect "if ( LA(1)==X ) match(X);" and that's it.
*/
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
>>

/** A DFA state that is actually the loopback decision of a closure
* loop. If end-of-token (EOT) predicts any of the targets then it
* should act like a default clause (i.e., no error can be generated).
* This is used only in the lexer so that for ('a')* on the end of a rule
* anything other than 'a' predicts exiting.
*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>

```

```

= <eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>
else:
    alt<decisionNumber> = <eotPredictsAlt>
<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if (<labelExpr>) <if(predicates)>and (<predicates>)<endif>:
    <targetState>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
<!
    FIXME: this is one of the few occasion, where
    I miss a switch statement
    in Python. ATM this is implemented as a list of if .. elif ..
    This may be replaced by faster a dictionary lookup, when I find a solution
    for the cases when an edge is not a plain dfaAcceptState.
!>
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
else:
<if(eotPredictsAlt)>
    alt<decisionNumber> = <eotPredictsAlt>
<else>
    <ruleBacktrackFailure()>
    nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
    <@noViableAltException()>
    raise nvae<\n>
<endif>

>>

```

```

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n" >
>>

```

```

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n" >
<if(eotPredictsAlt)>
else:
    alt<decisionNumber> = <eotPredictsAlt>
<endif>
>>

```

```

dfaEdgeSwitch(labels,
targetState) ::= <<
if <labels:{it | LA<decisionNumber> == <it>}>; separator=" or ">:
    <targetState>
>>

```

```

// C y c l i c D F A

```

```

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = self.dfa<decisionNumber>.predict(self.input)
>>

```

```

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */

```

```

cyclicDFA(dfa) ::= <<
# lookup tables for DFA #<dfa.decisionNumber>

```

```

DFA<dfa.decisionNumber>_eot
= DFA.unpack(
    u"<dfa.javaCompressedEOT; wrap="\n  u\ "">"
    )

```

```

DFA<dfa.decisionNumber>_eof = DFA.unpack(
    u"<dfa.javaCompressedEOF; wrap="\n  u\ "">"

```

```

)

DFA<dfa.decisionNumber>_min = DFA.unpack(
  u"<dfa.javaCompressedMin; wrap=""\n  u\>"
)

DFA<dfa.decisionNumber>_max = DFA.unpack(
  u"<dfa.javaCompressedMax; wrap=""\n  u\>"
)

DFA<dfa.decisionNumber>_accept = DFA.unpack(
  u"<dfa.javaCompressedAccept; wrap=""\n  u\>"
)

DFA<dfa.decisionNumber>_special = DFA.unpack(
  u"<dfa.javaCompressedSpecial; wrap=""\n  u\>"
)

DFA<dfa.decisionNumber>_transition = [
  <dfa.javaCompressedTransition:{s|DFA.unpack(u"<s; wrap=""\nu\>")}; separator=",\n">
]

# class definition for DFA #<dfa.decisionNumber>

class DFA<dfa.decisionNumber>(DFA):
  pass

  <@errorMethod()>

  <if(dfa.specialStateSTs)>
    def specialStateTransition(self_, s, input):
      # convince pylint that my self_ magic
      is ok ;)
      # pylint: disable-msg=E0213

      # pretend we are a member of the recognizer
      # thus semantic predicates can be evaluated
      self = self_.recognizer

      _s = s

      <dfa.specialStateSTs:{state | if s == <i0>: <! compressed special state numbers 0..n-1 !>
      <state>}; separator="\n\>

  <if(backtracking)>
    if self._state.backtracking > 0:
      raise BacktrackingFailed

```

```

<endif>
    nvae = NoViableAltException(self._getDescription(), <dfa.decisionNumber>, _s, input)
    self._error(nvae)
    raise nvae<\n>
<endif>

>>

cyclicDFAInit(dfa) ::= <<
self.dfa<dfa.decisionNumber> = self.DFA<dfa.decisionNumber>(
    self, <dfa.decisionNumber>,
    eot = self.DFA<dfa.decisionNumber>_eot,
    eof = self.DFA<dfa.decisionNumber>_eof,
    min = self.DFA<dfa.decisionNumber>_min,
    max = self.DFA<dfa.decisionNumber>_max,
    accept = self.DFA<dfa.decisionNumber>_accept,
    special = self.DFA<dfa.decisionNumber>_special,
    transition = self.DFA<dfa.decisionNumber>_transition
)<\n>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
index<decisionNumber>_<stateNumber> = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\n">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if s >= 0:
    return s
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if (<labelExpr><if(predicates)> and (<predicates>)<endif>:
    s = <targetStateNumber><\n>
>>

```

```

/** An edge
    pointing at end-of-token; essentially matches any char;
    * always jump to the target.
    */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
se:
    s = <targetStateNumber><\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>) and (<right>))"

orPredicates(operands) ::= "<operands; separator=\" or \">"

notPredicate(pred) ::= "not (<evalPredicate(pred, {}>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "self.<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
    * somewhere. Must ask for the lookahead directly.
    */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "self.input.LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(<lower> \<= LA<decisionNumber>_<stateNumber> \<= <upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt)
::= "(<lower> \<= self.input.LA(<k>) \<= <upper>)"

setTest(ranges) ::= "<ranges; separator=\" or \">"

// A T T R I B U T E S

globalAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
    def __init__(self):
        <scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>

```

```

<endif>
>>

globalAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

ruleAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
    def __init__(self):
        <scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>
<endif>
>>

ruleAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/**
    Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> = None
>>

returnStructName(r) ::= "<r.name>_return"

/** Define a return struct for a rule if the code needs to access its
    * start/stop tokens, tree stuff, attributes, ... Leave a hole for
    * subgroups to stick in members.
    */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>

```

```

class <ruleDescriptor:returnStructName()>(<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope):
    def __init__(self):
        super(<grammar.recognizerName>.<ruleDescriptor:returnStructName()>, self).__init__()

        <if(scope)><scope.attributes:{it | self.<it.decl> = None}; separator="\n"><endif>
        <@ruleReturnInit()>

        <@ruleReturnMembers()>

<endif>
>>

parameterScope(scope) ::= <<
<if(scope)><scope.attributes:{it | <it.decl>}; separator=", "><endif>
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::=
"<attr.name> = <expr>"

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
self.<scope>_stack[<-negIndex>].<attr.name>
<else>
<if(index)>
self.<scope>_stack[<index>].<attr.name>
<else>
self.<scope>_stack[-1].<attr.name>
<endif>
<endif>
%>

/* not applying patch because of bug in action parser!

<if(negIndex)>
((len(self.<scope>_stack) - <negIndex> - 1) >= 0 and [self.<scope>_stack[<-negIndex>].<attr.name>] or [None])[0]
<else>
<if(index)>
((<index> \< len(self.<scope>_stack)) and [self.<scope>_stack[<index>].<attr.name>] or [None])[0]
<else>
((len(self.<scope>_stack) > 0) and [self.<scope>_stack[-1].<attr.name>] or [None])[0]
<endif>
<endif>
*/

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%

```



```

<if(negIndex)>
<!--FIXME: this seems not to be used by ActionTranslator...!-->
self.<scope>_stack[-<negIndex>].<attr.name> = <expr>
<else>
<if(index)>
<!--FIXME: this seems not to be used by ActionTranslator...!-->
self.<scope>_stack[<index>].<attr.name>
= <expr>
<else>
self.<scope>_stack[-1].<attr.name> = <expr>
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "self.<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
((<scope> is not None) and [<scope>.<attr.name>] or [None])[0]
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> = <expr>
<else>
<attr.name> = <expr>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label)

```

```

 ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach; and they are evaluated early;
// they cannot see TREE_PARSER or PARSER attributes for example. :(

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>.text"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.type"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.line"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.charPositionInLine"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.channel"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>.index"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
((<scope> is not None) and [self.input.getTokenStream().toString(
    self.input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
    self.input.getTreeAdaptor().getTokenStopIndex(<scope>.start)
    ]) or [None]][0]
<else>
((<scope> is not None) and [self.input.toString(<scope>.start,<scope>.stop)] or [None]][0]
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "((<scope> is not None) and [<scope>.st] or [None])[0]"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "((<scope> is not None) and [<scope>.type] or [0])[0]"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "((<scope> is not None) and [<scope>.line] or [0])[0]"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "((<scope> is not None) and [<scope>.charPositionInLine] or [0])[0]"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "((<scope> is not None) and [<scope>.channel] or [0])[0]"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "((<scope> is not None) and [<scope>.index] or [0])[0]"
lexerRuleLabelPropertyRef_text(scope,attr)
 ::= "((<scope> is not None) and [<scope>.text] or [None])[0]"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "((<scope> is not None) and [int(<scope>.text)] or [0])[0]"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop" //mmm... or input.LT(-1)??

```

```

rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= "self.input.toString(retval.start, self.input.LT(-1))"
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "self._state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "self._state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr)
  ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "self._state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(self.getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if <actions.(actionScope).synpredgate>:
  pass
  <action>

<else>
if <actions.(actionScope).synpredgate>:
  pass
  <action>

<endif>
<else>
#action start
<action>
#action end
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

```

```
codeFileExtension() ::= ".py"
```

```
true_value()
```

```
::= "True"
```

```
false_value() ::= "False"
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Python/Python.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2006 Kay Roepke 2010 Alan Condit
```

```
All rights reserved.
```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/ObjC/Dbg.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2006 Terence Parr
```

```
All rights reserved.
```

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*/

/** Template subgroup to add template rewrite output

* If debugging, then you'll also get STDbg.stg loaded.

*/

```
@returnScopeInterface.memVars() ::= <<
```

```
<@super.memVars()>
```

```
/* ST returnInterface.memVars */
```

```
ST *st;
```

```
>>
```

```
@returnScopeInterface.properties() ::= <<
```

```
<@super.properties()>
```

```
/* ST returnScope.properties */
```

```
@property (retain, getter=getST, setter=setST:) ST *st;
```

```
>>
```

```
@returnScopeInterface.methodsDecl() ::= <<
```

```
<@super.methodsDecl()>
```

```
/*
```

```
ST AST returnScopeInterface.methodsDecl */
```

```
- (id) getTemplate;
```

```
- (NSString *) toString;
```

```
- (NSString *) description;
```

```
>>
```

```

@returnScopeInterface() ::= <<
/* ST returnScopeInterface */
@interface <returnScopeInterface.name> : ReturnScope {
<returnScopeInterface.memVars()>
}
<returnScopeInterface.properties()>

<returnScopeInterface.methods()>
@end
>>

@returnScopeImplementation.synthesize() ::= <<
<@super.synthesize()>
/* ST returnScope.synthesize */
@synthesize st;
>>

@returnScopeImplementation.methods() ::= <<
<@super.methods()>
/* ST returnScope.methods */
- (id) getTemplate { return st; }
- (NSString *) toString { return st==nil?nil:[st toString]; }
- (NSString *) description { [self toString]; }
>>

@returnScopeImplementation() ::= <<
@implementation <returnScopeImplementation.name>
<returnScopeImplementation.synthesize()>

<returnScopeImplementation.methods()>
@end
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturnMembers()
::= <<
<@super.ruleReturnMembers()>
/* ST returnScope.ruleReturnMembers -- empty */
>>

@genericParserHeaderFile.memVars() ::= <<
<@super.memVars()>
/* ST genericParserHeaderFile.memVars -- empty now */
STGroup *templateLib; /* ST -- really a part of STAttrMap */
>>

@genericParserHeaderFile.properties() ::= <<

```

```
<@super.properties(>
/* ST genericParser.properties */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
>>
```

```
@genericParserHeaderFile.methodsDecl() ::= <<
<@super.methodsDecl(>
/* ST genericParser.methodsDecl */
- init;
- (STGroup *) getTemplateLib;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
@end
>>
```

```
@genericParser.synthesize() ::= <<
<@super.synthesize(>
/* ST genericParserImplementation.synthesize */
@synthesize templateLib;
>>
```

```
@genericParser.methods() ::= <<
<@super.methods(>
/* ST genericParser.methods */
```

```
- (STGroup *)getTemplateLib
{
    return templateLib;
}
```

```
- (void) setTemplateLib:(STGroup
*)aTemplateLib
{
    templateLib = aTemplateLib;
}
```

```
>>
```

```
@genericParser.members() ::= <<
<@super.members(>
STGroup *templateLib = [STGroup newSTGroup:@"<name>Templates"];

```

```
- (STGroup *) getTemplateLib
{
    return templateLib;
}
```

```
- (void) setTemplateLib:(STGroup *) templateLib
{
```

```

    this.templateLib = templateLib;
}

/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
/* REPLACE THIS STATIC CLASS
static class STAttrMap extends HashMap {
- (STAttrMap *) setObject:(id)aValue forKey:(NS*)String attrName
{
    [super setObject:value forKey:attrName];
    return self;
}
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName
{
    [super setObject:[NSNumber numberWithInt:value] forKey:attrName];
    return self;
}
}
*/
>>

@STAttrMap() ::= <<
/* ----- ST start STAttrMap ----- */
<@STAttrMap.interface()>
<@STAttrMap.implementation()>
/* ----- ST end
STAttrMap ----- */
>>

@STAttrMap.interface() ::= <<
/* ----- ST start STAttrMap.interface ----- */
@interface STAttrMap : HashMap {
/* <@STAttrMap.memVars()> */
    STGroup *templateLib;
}

/* <@STAttrMap.properties()> */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
/* <@STAttrMap.methodsDecl()> */
- (id) init;
- (STAttrMap *) setObject:(id)value forKey:(NSString *)attrName;
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
- (STGroup *) getTemplateLib;
@end
/* ----- ST end STAttrMap.interface ----- */
>>

```



```

@STAttrMap.implementation() ::= <<
/* ----- ST start STAttrMap.implementation ----- */
/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
@implementation STAttrMap
@synthesize templateLib;

<@STAttrMap.methods()>
@end
/* ----- ST end STAttrMap.implementation
----- */
>>

@STAttrMap.memVars() ::= <<
/* ----- ST start STAttrMap.memVars ----- */
    STGroup *templateLib;
/* ----- ST end STAttrMap.memVars ----- */
>>

@STAttrMap.properties() ::= <<
/* ----- ST start STAttrMap.properties ----- */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
/* ----- ST end STAttrMap.properties ----- */
>>

@STAttrMap.methodsDecl() ::= <<
/* ----- ST start STAttrMap.methodsDecl ----- */
- (id) init;
- (STAttrMap *) setObject:(id)value forKey:(NSString *)attrName;
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
- (STGroup *) getTemplateLib;
/* ----- ST end STAttrMap.methodsDecl ----- */
>>

@STAttrMap.methods() ::= <<
/* ----- ST start STAttrMap.methods ----- */
- (id) init
{
    self = [super initWithLen:16];
    if ( self
    != nil ) {
        templateLib = [STGroup newSTGroup:"<name>Templates"];
    }
    return self;
}
}

```

```

- (STAttrMap *) setObject:(id)aValue forKey:(NSString *)aAttrName
{
    [super setObject:aValue forKey:aAttrName];
    return self;
}

- (STAttrMap *) setObjectWithInt:(NSInteger)aValue forKey:(NSString *)aAttrName
{
    [super setObject:[NSNumber numberWithInt:aValue] forKey:aAttrName];
    return self;
}

- (void) setTemplateLib:(STGroup *)aTemplateLib
{
    templateLib = aTemplateLib;
}

- (STGroup *)getTemplateLib
{
    return templateLib;
}
/* ----- ST end STAttrMap.methods ----- */
>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ST ruleRefAndListLable */
<ruleRef(...)>
<listLabel(elem=[label getTemplate,...]>
>>

rewriteTemplate(alts) ::= <<
/* ----- ST start rewriteTemplate ----- */
// TEMPLATE REWRITE
<if(backtracking)>
if ( <actions.(actionScope).synpredgate>
) {
    <alts:rewriteTemplateAlt(); separator="else ">
    <if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
/* ----- ST end rewriteTemplate ----- */
>>

replaceTextInLine() ::= <<

```

```

/* ----- ST start replaceTextInLine ----- */
<if(TREE_PARSER)>
[[ (TokenRewriteStream *)input getTokenStream]
  replaceFromIndex: [[input getTreeAdaptor] getTokenStartIndex:retval.start]
    ToIndex: [[input getTreeAdaptor] getTokenStopIndex:retval.start]
      Text:retval.st];
<else>
[[ (TokenRewriteStream *)input)
  replaceFromIndex: [((CommonToken *)retval.start) getTokenIndex]
    ToIndex: [[input LT:-1] getTokenIndex]
      Text:retval.st];
<endif>
/* ----- ST end replaceTextInLine ----- */
>>

rewriteTemplateAlt() ::= <<
/* ----- ST start rewriteTemplateAlt ----- */
/* ST <it.description>
*/
<if(it.pred)>
if (<it.pred>) {
  retval.st = <it.alt>;
}<\n>
<else>
{
  retval.st = <it.alt>;
}<\n>
<endif>
/* ----- ST end rewriteTemplateAlt ----- */
>>

rewriteEmptyTemplate(alts) ::= <<
nil;
>>

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template after having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
rewriteExternalTemplate(name,args) ::= <<
/* ----- ST start rewriteExternalTemplate ----- */
[templateLib getInstanceOf:@"<name>"
<if(args)>[[STAttrMap newSTAttrMap] <args:{a | setObject:<a.value> forKey:@"<a.name>"}]><endif>]
/* ----- ST end rewriteExternalTemplate ----- */
>>

```

```

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <<
/* ----- ST start rewriteIndirectTemplate ----- */
[templateLib
  getInstanceOf:<expr>
  <if(args)> [[STAttrMap newSTAttrMap]<args:{ a | setObject:<a.value> forKey:@ "<a.name>"}>]
  <else>]<endif>
/* ----- ST end rewriteIndirectTemplate ----- */
>>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <<
/* ----- ST start rewriteInlineTemplate ----- */
STGroup *templateLib;
templateLib.templates = [STAttrMap newSTAttrMap];
<if(args)> [templateLib.templates <args:{ a | setObject:<a.value> forKey:@ "<a.name>"};><endif>
[ST newST:templateLib template:@ "<template>"];
/* ----- ST end rewriteInlineTemplate ----- */
>>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
/* ----- ST start rewriteAction ----- */
<action>
/* ----- ST end rewriteAction ----- */
>>

```

```

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
/* ----- ST start actionSetAttribute -----
*/
[[ST attributes] setObject:<expr> forKey:@ "<attrName>"];
<![<st> setAttribute:<expr> name:@ "<attrName>"];!>
/* ----- ST end actionSetAttribute ----- */
>>

```

```

/** Translate %{stringExpr} */
actionStringConstructor(stringExpr) ::= <<
/* ----- ST start actionStringConstructor ----- */
[ST newSTWithTemplate:<stringExpr>]
/* ----- ST end actionStringConstructor ----- */
>>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/ObjC/ST.stg
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*/

group AST;

```
@outputFile.imports() ::= <<
<@super.imports()><if(!TREE_PARSER)><! tree parser would already have imported !>
Antlr.Runtime.Tree,<\n><endif>
>>
```

```
@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>
```

```
@genericParser.membersConstructor() ::= <<
<@super.membersConstructor()>
<parserMembersConstructor()>
>>
```

```
@genericParser.membersImplementation()
```

```

 ::= <<
 <@super.membersImplementation()>
 <parserMembersImplementation()>
 >>

 /** Add an adaptor property that knows how to build trees */
 parserMembers() ::= <<
 strict protected
   FAdaptor: ITreeAdaptor;
   procedure SetAdaptor(const Value: ITreeAdaptor);
   property Adaptor: ITreeAdaptor read FAdaptor;
 public
   property TreeAdaptor: ITreeAdaptor read FAdaptor write SetAdaptor;

 >>

 parserMembersConstructor() ::= <<
 FAdaptor := TCommonTreeAdaptor.Create;
 >>

 parserMembersImplementation() ::= <<
 procedure T<grammar.recognizerName>.SetAdaptor(const Value: ITreeAdaptor);
 begin
   FAdaptor := Value;
   <grammar.directDelegates: {g|<g:delegateName()>.TreeAdaptor := FAdaptor;}>
 end;
 >>

 @returnScope.ruleReturnMembers() ::= <<
 function T<grammar.recognizerName>.T<ruleDescriptor:returnStructName()>.GetTree: IANTLRInterface;
 begin
   Result := FTree;
 end;

 procedure T<grammar.recognizerName>.T<ruleDescriptor:returnStructName()>.SetTree(const
   Value: IANTLRInterface);
 begin
   FTree := Value as I<ASTLabelType>;
 end;
 >>

 @returnScopeDeclaration.ruleReturnMembers() ::= <<
 strict private
   FTree: I<ASTLabelType>;
 protected
   { IRuleReturnScope }
   function GetTree: IANTLRInterface; override;
   procedure SetTree(const Value: IANTLRInterface); override;

```

```

>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
Root[0] := nil;<\n>
>>

ruleDeclarationVars() ::= <<
<super.ruleDeclarationVars()>
Root: array [0..63] of I<ASTLabelType>;
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels:{<it.label.text>_tree := nil;}; separator="\n">
<ruleDescriptor.tokenListLabels:{<it.label.text>_tree := nil;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites:{Locals['Stream_<it>'] :=
TRewriteRule<rewriteElementType>Stream.Create(Adaptor,'token <it>');}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites:{Locals['Stream_<it>']
:= TRewriteRuleSubtreeStream.Create(Adaptor,'rule <it>');}; separator="\n">
>>

ruleLabelDefVars() ::= <<
<super.ruleLabelDefVars()>
<ruleDescriptor.tokenLabels:{<it.label.text>_tree: I<ASTLabelType>;}; separator="\n">
<ruleDescriptor.tokenListLabels:{<it.label.text>_tree: I<ASTLabelType>;}; separator="\n">
>>
/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
Root[0] := Adaptor.GetNilNode as I<ASTLabelType>;
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>

```

```

<if(backtracking)>if
  (State.Backtracking = 0) then <endif>(Locals['Stream_<token>'] as
  IRewriteRuleElementStream).Add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<token>'] as
IRewriteRuleElementStream).Add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope)
::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<rule.name>'] as
IRewriteRuleElementStream).Add(<label>.Tree);<\n>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<rule>'] as

```



```

IRewriteRuleElementStream).Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem=label+".Tree",...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
    referencedWildcardLabels,
    referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements:    <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels:  <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
<prevRuleRootRef(>).Tree := Root[0];
<rewriteCodeLabels(>
Root[0] := Adaptor.GetNilNode as I<ASTLabelType>;
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>.Tree = (<ASTLabelType>)adaptor.rulePostProcessing(root[0]);
input.ReplaceChildren(adaptor.GetParent(retval.Start),
    adaptor.GetChildIndex(retval.Start),
    adaptor.GetChildIndex(_last),
    retval.Tree);
<endif>
<endif>
<! if parser or rewrite!=true, we need to set result !>

```

```

<if(!TREE_PARSER)>
<prevRuleRootRef(>).Tree := Root[0];<\n>
<endif>
<if(!rewriteMode)>
<prevRuleRootRef(>).Tree := Root[0];<\n>
<endif>
<if(backtracking)>
end;
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
  :{Locals['Stream_<it>'] := TRewriteRule<rewriteElementType>Stream.Create(Adaptor, 'token <it>', <it>)};
  separator="\n"
>
<referencedTokenListLabels
  :{Locals['Stream_<it>'] := TRewriteRule<rewriteElementType>Stream.Create(Adaptor,'token <it>', list_<it>)};
  separator="\n"
>
<referencedRuleLabels:{
if Assigned(<it>) then
  Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', <it>.Tree)
else
  Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', nil)}; separator="\n"
<referencedRuleListLabels
  :{Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', list_<it>)};
  separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
(* <fileName>:<description> *)
if (<referencedElementsDeep:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext }; separator="
or ">) then
begin
<alt>
end;
<referencedElementsDeep:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset;<\n>}>
>>

```

```

rewriteClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements,    // elements in immediately block; no nested blocks
  description) ::=
<<
(* <fileName>:<description> *)
while (<referencedElements:{el
| (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator=" or ">) do
begin
  <alt>
end;
<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset();<\n}>
>>

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements,    // elements in immediately block; no nested blocks
  description) ::=
<<
if (not (<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator=" or
">)) then
  raise ERewriteEarlyExitException.Create("");

while (<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator=" or
">) do
begin
  <alt>
end;
<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset();<\n}>
>>

rewriteAlt(a) ::= <<
(* <a.description> *)
<if(a.pred)>
if (<a.pred>) then
begin
  <a.alt>
end<\n>
<else>
begin
  <a.alt>
end;<\n>
<endif>
>>

```

```

/**
For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "Root[0] = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
(* <fileName>:<description> *)
begin
Root[<treeLevel>] := Adaptor.GetNilNode as I<ASTLabelType>;
<root:rewriteElement()>
<children:rewriteElement()>
Adaptor.AddChild(Root[<enclosingTreeLevel>], Root[<treeLevel>]);
end;<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as
IRewriteRuleElementStream).NextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex)
::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as
IRewriteRuleElementStream).NextNode(), Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */

```

```

rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>, Root[<treeLevel>]) as
I<ASTLabelType>;<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot(<createImaginaryNode(tokenType=token,
...)>, Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
Root[0] = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of Root[0] right
* before I set it during rewrites. The assign will be to retval.Tree.
*/
prevRuleRootRef() ::= "RetVal"

rewriteRuleRef(rule) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<rule>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<rule>'] as IRewriteRuleElementStream).NextNode,
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

rewriteNodeAction(action) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
Root[<treeLevel>]
:= Adaptor.BecomeRoot(<action>, Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

```

```

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

```

```

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode,
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

```

```

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode,
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

```

```

createImaginaryNode(tokenType,terminalOptions,args)
::= <<
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
T<terminalOptions.node>.Create(<tokenType><if(args)>, <args; separator=","><endif>)
<else>
Adaptor.CreateNode(<tokenType>, <args; separator=","><if(!args)>'<tokenType>'<endif>) as I<ASTLabelType>
<endif>
>>

```

```

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
T<terminalOptions.node>.Create((Locals['Stream_<token>'] as IRewriteRuleElementStream).NextToken<if(args)>,
<args; separator=","><endif>)
<else>
<if(args)> <! must create new node from old !>
Adaptor.Create(<token>, <args; separator=",">)
<else>
(Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode
<endif>
<endif>
>>

```

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* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Delphi/AST.stg

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*/

/** Template overrides to add debugging to AST stuff. Dynamic inheritance

* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

*/

```
parserMembers() ::= <<
protected DebugTreeAdaptor adaptor =
    new DebugTreeAdaptor(null,new CommonTreeAdaptor());
public void setTreeAdaptor(TreeAdaptor adaptor) {
    this.adaptor = new DebugTreeAdaptor(dbg,adaptor);
}
public
TreeAdaptor getTreeAdaptor() {
    return adaptor;
}<\n>
>>
```

```
parserCtorBody() ::= <<
```

```
>>
```

```
createListenerAndHandshake() ::= <<  
<super.createListenerAndHandshake(>  
>>
```

```
ctorForPredefinedListener() ::= <<  
>>
```

```
@rewriteElement.pregen() ::= ""
```

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* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/C/ASTDbg.stg

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*/

/** Templates for building ASTs during tree parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* Each combination has its own template except that label/no label

* is combined into tokenRef, ruleRef,

...

*/

/** Add a variable to track last element matched */

```
ruleDeclarations() ::= <<
```

```
<super.ruleDeclarations()>
```

```
<ASTLabelType> _last;<\n>
```

```
<ASTLabelType> _first_0;<\n>
```

```

>>

/** Add a variable to track last element matched */
ruleInitializations() ::= <<
<super.ruleInitializations()>
_last = NULL;<\n>
_first_0 = NULL;<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(backtracking)>if ( BACKTRACKING ==0 ) {<endif>
<if(rewriteMode)>
retval.tree = (<ASTLabelType>)_first_0;
if ( ADAPTOR->getParent(ADAPTOR, retval.tree) != NULL && ADAPTOR->isNilNode(ADAPTOR,
ADAPTOR->getParent(ADAPTOR, retval.tree) ) )
{
    retval.tree = (<ASTLabelType>)ADAPTOR->getParent(ADAPTOR, retval.tree);
}
<endif>
<if(backtracking)>}<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
    enclosingTreeLevel, treeLevel) ::= <<
_last = (<ASTLabelType>)LT(1);
{
<ASTLabelType> _save_last_<treeLevel>;
<ASTLabelType> _first_<treeLevel>;
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel>;
<endif>
_save_last_<treeLevel> = _last;
_first_<treeLevel> = NULL;
<if(!rewriteMode)>
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if ( BACKTRACKING ==0 ) {<endif>
<if(root.el.rule)>
if ( _first_<enclosingTreeLevel> == NULL ) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>

```

```

if ( _first_<enclosingTreeLevel> == NULL ) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<if(backtracking)>}<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( LA(1)==ANTLR3_TOKEN_DOWN ) {
    MATCHT(ANTLR3_TOKEN_DOWN, NULL);
    <children:element()>
    MATCHT(ANTLR3_TOKEN_UP, NULL);
}
<else>
MATCHT(ANTLR3_TOKEN_DOWN, NULL);
<children:element()>
MATCHT(ANTLR3_TOKEN_UP,
    NULL);
<endif>
<if(!rewriteMode)>
ADAPTOR->addChild(ADAPTOR, root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

```

```
// TOKEN AST STUFF
```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>
>>

```

```

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( BACKTRACKING ==0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
<endif>
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else>

```

```

<if(backtracking)>if ( BACKTRACKING ==0 ) {<endif>
if ( _first_<treeLevel> == NULL ) _first_<treeLevel>
= <label>;
<if(backtracking)>}<endif>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( BACKTRACKING == 0 ) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions)
::= <<
_last = (<ASTLabelType>)LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupTree(ADAPTOR, <label>);
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> )<endif>
if ( _first_<treeLevel>==null ) _first_<treeLevel> = <label>;

```

```

<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.matchSet(postmatchCode={
  <if(!rewriteMode)>
  <if(backtracking)>if ( BACKTRACKING == 0 ) {<endif>
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node>New(<label>);
  <else>
  <label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
  <endif><\n>
  ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
  <if(backtracking)>\}<endif>
  <endif>
  }
  ,...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0")
  ::= <<
  <matchSet(...)>
  <noRewrite()> <! set return tree !>
  >>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.matchSet(...)>
  >>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
  <super.matchSet(postmatchCode={
  <if(!rewriteMode)>
  <if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>
  <if(terminalOptions.node)>
  <label>_tree = <terminalOptions.node>New(<label>);
  <else>
  <label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
  <endif>
  root_<treeLevel> = (<ASTLabelType>)ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_<treeLevel>);
  <if(backtracking)>\}<endif>
  <endif>
  }, ...
  )>
  >>

```

```

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRef(...)>
  <if(backtracking)>if
    ( <actions.(actionScope).synpredgate> )
    {
  <endif>
  <if(!rewriteMode)>
    ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>.tree);
  <else>
    if ( _first_<treeLevel> == NULL ) _first_<treeLevel> = <label>.tree;
  <endif>
  <if(backtracking)>}<endif>
  >>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  <ruleRef(...)>
  <super.listLabelAST(elem=label,...)>
  >>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRef(...)>
  <if(!rewriteMode)>
  <if(backtracking)>if ( ( <actions.(actionScope).synpredgate> ) ) <endif>root_<treeLevel> =
  (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>.tree, root_<treeLevel>));
  <endif>
  >>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  <ruleRefRuleRoot(...)>
  <super.listLabelAST(elem=label,...)>
  >>

/** rule when output=AST and tracking for rewrite
*/
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRefTrack(...)>
  >>

```

```

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRefRuleRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  _last = (<ASTLabelType>)LT(1);
  <super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
  <if(terminalOptions.node)>
  <terminalOptions.node>New(stream_<token>->nextNode(stream_<token>))
  <else>
  stream_<token>->nextNode(stream_<token>)
  <endif>
>>

ruleCleanup()
 ::= <<
  <super.ruleCleanup(...)>
  <if(backtracking)>
  if ( <actions.(actionScope).synpredgate> ) {<\n
  <endif>
  <if(!ruleDescriptor.isSynPred)>
  retval.stop = LT(-1);<\n
  <endif>
  retval.tree = (<ASTLabelType>)ADAPTOR->rulePostProcessing(ADAPTOR, root_0);
  <if(backtracking)>
  }
  <endif>
  <ruleDescriptor.allTokenRefsInAltsWithRewrites
  :{if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
  <ruleDescriptor.allRuleRefsInAltsWithRewrites
  :{if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
  >>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/C/ASTTreeParser.stg

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*/

/** Templates for building ASTs during normal parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* The situation is not

too bad as rewrite (->) usage makes ^ and !

* invalid. There is no huge explosion of combinations.


```

*/

@rule.setErrorReturnValue() ::= <<
retval.Tree = (<ASTLabelType>)adaptor.ErrorNode(input, retval.Start, input.LT(-1), re);
<! System.out.WriteLine("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (state.backtracking == 0) {<endif>
<label>_tree = <createNodeFromToken(...)>;
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = <createNodeFromToken(...)>;
root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```

```

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like
making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(postmatchCode={<if(backtracking)>if (<actions.(actionScope).synpredgate>)
<endif>adaptor.AddChild(root_0, <createNodeFromToken(...)>);}, ...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions,postmatchCode) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug)
::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);
<endif>
<super.matchSet(postmatchCode={<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<createNodeFromToken(...)>, root_0);}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <label>.Tree);
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

```

```

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_0);
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/**
x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
root_0
= (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
>>

```

```

createNodeFromToken(label,terminalOptions) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<endif>
%>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
adaptor.SetTokenBoundaries(retval.Tree, retval.Start, retval.Stop);
<if(backtracking)>}<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp2/ASTParser.stg

```

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*/

```
@outputFile.imports() ::= <<
<@super.imports()>
<if(!TREE_PARSER)><<! tree parser would already have imported !>
import org.antlr.runtime.tree.*;<\n>
<endif>
>>
```

```
@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>
```

```
/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
protected TreeAdaptor adaptor = new CommonTreeAdaptor();
```

```
public void setTreeAdaptor(TreeAdaptor adaptor) {
    this.adaptor
    = adaptor;
    <grammar.directDelegates: {g|<g:delegateName()>.setTreeAdaptor(this.adaptor);}>
}
public TreeAdaptor getTreeAdaptor() {
    return adaptor;
}
>>
```

```
@returnScope.ruleReturnMembers() ::= <<
<ASTLabelType> tree;
@Override
public <ASTLabelType> getTree() { return tree; }
>>
```

```
/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = null;<\n>
>>
```

```
ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<if(!ruleDescriptor.isSynPred)>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
ruleDescriptor.wildcardTreeListLabels]:{it | <ASTLabelType> <it.label.text>_tree=null;}; separator="\n">
```

```

<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> <it.label.text>_tree=null;}; separator="\n">
<if(ruleDescriptor.supportsLabelOptimization)>
<ruleDescriptor.allTokenRefsInRewrites
: {it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");};
separator="\n">
<ruleDescriptor.allRuleRefsInRewrites
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
separator="\n">
<else>
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
separator="\n">
<endif>
<endif>
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode && !ruleDescriptor.isSynPred)>
root_0 = (<ASTLabelType>)adaptor.nil();<\n>
<endif>
<endif>
<endif>
>>

// T r a c k i n
g R u l e E l e m e n t s

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<

```

```

<tokenRefTrack(...)>
<listLabel(elem=label, ...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,
...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule.name>.add(<label>.getTree());
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(label, {<label>.getTree()})>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule>.add(<label>.getTree());
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(label, {<label>.getTree()})>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements
to right of ->
referencedTokenLabels,

```

```

referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels, referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {
<endif>
<prevRuleRootRef(>).tree = root_0;
<rewriteCodeLabels(>
root_0 = (<ASTLabelType>)adaptor.nil();
<alts:rewriteAlt(>; separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>).tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
input.replaceChildren(adaptor.getParent(retval.start),

    adaptor.getChildIndex(retval.start),
        adaptor.getChildIndex(_last),
        retval.tree);
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>).tree = root_0;
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>).tree = root_0;
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels

```



```

: {it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>)};
separator="\n"
>
<referencedTokenListLabels
: {it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it> ", list_<it>)};
separator="\n"
>
<referencedWildcardLabels
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>)};
separator="\n"
>
<referencedWildcardListLabels
: {it
| RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it> ",list_<it>)};
separator="\n"
>
<referencedRuleLabels
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.getTree():null)};
separator="\n"
>
<referencedRuleListLabels
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it> ",list_<it>)};
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if ( <referencedElementsDeep:{el | stream_<el>.hasNext()}; separator="||"> ) {
<alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<\n>}>
>>

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep,

```

```

// all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
while ( <referencedElements:{el | stream_<el>.hasNext()}; separator="||"> ) {
  <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
if ( !(<referencedElements:{el | stream_<el>.hasNext()}; separator="||">) ) {
  throw new RewriteEarlyExitException();
}
while ( <referencedElements:{el | stream_<el>.hasNext()}; separator="||"> ) {
  <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
  <a.alt>
}<\n>
<else>
{
  <a.alt>
}<\n>
<endif>
>>

```

```

/** For empty rewrites:
"r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

```

```

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
  <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
  <root:rewriteElement()>
}

```

```

<children.rewriteElement()>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements.rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,args,terminalOptions={}) ::= <<
adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());
>>

/**
Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^ID ... or ^ID[args] ... */
rewriteTokenRefRoot(token,elementIndex,args,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);
>>

rewriteImaginaryTokenRef(args,token,elementIndex,terminalOptions={}) ::= <<
adaptor.addChild(root_<treeLevel>, <createImaginaryNode(token,args,terminalOptions)>);
>>

rewriteImaginaryTokenRefRoot(args,token,elementIndex,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<createImaginaryNode(token,args,terminalOptions)>,

```

```

root_<treeLevel>;
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;
>>

/**
What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>);
>>

rewriteNodeAction(action) ::= <<
adaptor.addChild(root_<treeLevel>, <action>);
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<action>, root_<treeLevel>);
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule
*/
rewriteRuleListLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>

```

```

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>

```

```

rewriteWildcardLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>

```

```

createImaginaryNode(tokenType,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=", "><endif>)
<else>
(<ASTLabelType>)adaptor.create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>)
<endif>
%>

```

```

createRewriteNodeFromElement(token,args,terminalOptions={ })
::= <%
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=", "><endif>)
<else>
<if(args)> <! must create new node from old !>
adaptor.create(<token>, <args; separator=", ">)
<else>
stream_<token>.nextNode()
<endif>
<endif>
%>

```

Found in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Java/AST.stg

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/*

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*/

/** Template overrides to add debugging to AST stuff. Dynamic inheritance

* hierarchy is set up as ASTDbg : AST : Dbg : Python by code generator.

*/

group ASTDbg;

astAccessor() ::= <<

def setTreeAdaptor(self, adaptor):

<if(grammar.grammarIsRoot)>

self._adaptor = DebugTreeAdaptor(self.dbg, adaptor)

<else>

self._adaptor = adaptor # delegator sends dbg adaptor

<endif>

<grammar.directDelegates:{g|<g.delegateName()>.setTreeAdaptor(self._adaptor)}>

def

getTreeAdaptor(self):

return self._adaptor

adaptor = property(getTreeAdaptor, setTreeAdaptor)<\n>

>>

createListenerAndHandshake() ::= <<

proxy = DebugEventSocketProxy(self,

adaptor=<if(TREE_PARSER)>self.input.getTreeAdaptor(<else>self._adaptor<endif>,

debug=debug_socket, port=port)

self.setDebugListener(proxy)

self.adaptor.setDebugListener(proxy)

self.input.setDebugListener(proxy)

#self.set<inputStreamType>(Debug<inputStreamType>(self.input, proxy))

proxy.handshake()

>>

```
@rewriteElement.pregen() ::= "self._dbg.location(<e.line>, <e.pos>)"
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/Python/ASTDbg.stg
```

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```
*/
```

```
javaTypeInitMap ::= [  
  "int": "0",  
  "long": "0",  
  "float": "0.0f",  
  "double": "0.0",  
  "boolean": "false",  
  "byte": "0",  
  "short": "0",  
  "char": "0",  
  default: "null" // anything other than an atomic type  
]
```

```

// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"
// The Java version of Boolean returns "true" and "false", so they map to themselves here.
booleanLiteral ::= [
    "True":"true",
    "False":"false",
    "true":"true",
    "false":"false",
    default:"false"
]

/**
The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
    docComment, recognizer,
    name, tokens, tokenNames, rules, cyclicDFAs,
    bitsets, buildTemplate, buildAST, rewriteMode, profile,
    backtracking, synpreds, memoize, numRules,
    fileName, ANTLRVersion, generatedTimestamp, trace,
    scopes, superClass, literals) ::=
<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
<actions.(actionScope).header>

<@imports>
import org.antlr.runtime.*;
<if(TREE_PARSER)>
import org.antlr.runtime.tree.*;
<endif>
import java.util.Stack;
import java.util.List;
import java.util.ArrayList;
<if(backtracking)>
import java.util.Map;
import java.util.HashMap;
<endif>
<@end>

<docComment>
@SuppressWarnings("all")
<recognizer>

>>

lexer(grammar, name, tokens, scopes,

```



```

rules, numRules, filterMode, labelType="CommonToken",
    superClass="Lexer") ::= <<
public class <grammar.recognizerName> extends <@superClassName><superClass><@end> {
    <tokens:{it | public static final int <it.name>=<it.type>;}; separator="\n">
    <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>
    <actions.lexer.members>

    // delegates
    <grammar.delegates:
    {g|public <g.recognizerName> <g.delegateName()>;}; separator="\n">
    // delegators
    <grammar.delegators:
    {g|public <g.recognizerName> <g.delegateName()>;}; separator="\n">
    <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>
    public <superClass>[] getDelegates() {
        return new <superClass>[] {<grammar.delegates: {g|<g.delegateName()>; separator = ", ">;
        }
    }

    public <grammar.recognizerName>() {} <! needed by subclasses !>
    public <grammar.recognizerName>(CharStream input<grammar.delegators:{g|, <g.recognizerName>
    <g.delegateName()>}>) {
        this(input, new RecognizerSharedState()<grammar.delegators:{g|,
    <g.delegateName()>}>);
    }
    public <grammar.recognizerName>(CharStream input, RecognizerSharedState state<grammar.delegators:{g|,
    <g.recognizerName> <g.delegateName()>}>) {
        super(input,state);
    <if(memoize)>
    <if(grammar.grammarIsRoot)>
        state.ruleMemo = new HashMap[<numRules>+1];<\n><! index from 1..n !>
    <endif>
    <endif>
    <grammar.directDelegates:
    {g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>}>,
    this);}; separator="\n">
    <grammar.delegators:
    {g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
    <last(grammar.delegators):{g|gParent = <g.delegateName()>;}>
    }
    @Override public String getGrammarFileName() { return "<fileName>"; }

    <if(filterMode)>
    <filteringNextToken()>
    <endif>
    <rules; separator="\n\n">

    <synpreds:{p | <lexerSynpred(p)>}>

```

```

<cyclicDFAs:{ dfa | protected DFA<dfa.decisionNumber> dfa<dfa.decisionNumber> = new
DFA<dfa.decisionNumber>(this);};
separator="\n">
<cyclicDFAs:cyclicDFA(); separator="\n\n"><! dump tables for all DFA !>

}
>>

```

```

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */

```

```

filteringNextToken() ::= <<
@Override
public Token nextToken() {
while (true) {
if ( input.LA(1)==CharStream.EOF ) {
Token eof = new CommonToken(input,Token.EOF,
Token.DEFAULT_CHANNEL,
input.index(),input.index());
eof.setLine(getLine());
eof.setCharPositionInLine(getCharPositionInLine());
return eof;
}
state.token = null;
state.channel = Token.DEFAULT_CHANNEL;
state.tokenStartCharIndex = input.index();
state.tokenStartCharPositionInLine = input.getCharPositionInLine();
state.tokenStartLine
= input.getLine();
state.text = null;
try {
int m = input.mark();
state.backtracking=1; <! means we won't throw slow exception !>
state.failed=false;
mTokens();
state.backtracking=0;
<! mTokens backtracks with synpred at backtracking==2
and we set the synpredgate to allow actions at level 1. !>
if ( state.failed ) {
input.rewind(m);
input.consume(); <! advance one char and try again !>
}
else {
emit();
return state.token;
}
}
}

```

```

    }
    }
    catch (RecognitionException re) {
        // shouldn't happen in backtracking mode, but...
        reportError(re);
        recover(re);
    }
}

@Override
public void memoize(IntStream input,
    int ruleIndex,
    int ruleStartIndex)
{
    if ( state.backtracking>1 ) super.memoize(input, ruleIndex, ruleStartIndex);
}

@Override
public boolean alreadyParsedRule(IntStream input, int ruleIndex) {
    if ( state.backtracking>1 ) return super.alreadyParsedRule(input, ruleIndex);
    return false;
}
>>

actionGate()
    ::= "state.backtracking==0"

filteringActionGate() ::= "state.backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, inputStreamType, superClass,
    labelType, members, rewriteElementType,
    filterMode, ASTLabelType="Object") ::= <<
public class <grammar.recognizerName> extends <@superClassName><superClass><@end> {
<if(grammar.grammarIsRoot)>
    public static final String[] tokenNames = new String[] {
        "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ", wrap="\n\t">
    };
<endif>
    <tokens:{it |public static final int <it.name>=<it.type>;}; separator="\n">

    // delegates
    <grammar.delegates: {g|public <g.recognizerName> <g.delegateName()>;}; separator="\n">
    public <superClass>[] getDelegates() {
        return new <superClass>[] {<grammar.delegates: {g|<g.delegateName()>;}; separator = ", ">};
    }
}

```

```

// delegators
<grammar.delegators:
  {g|public
  <g.recognizerName> <g.delegateName(>); separator="\n">
  <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>

  <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<@members>
  <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
  public <grammar.recognizerName>(<inputStreamType> input<grammar.delegators:{g|, <g.recognizerName>
  <g.delegateName(>}&>)> {
    this(input, new RecognizerSharedState(<grammar.delegators:{g|, <g.delegateName(>}&>));
  }
  public <grammar.recognizerName>(<inputStreamType> input, RecognizerSharedState
  state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName(>}&>)> {
    super(input, state);
    <parserCtorBody(>
    <grammar.directDelegates:
      {g|<g.delegateName(> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName(>}&>),
  this);}; separator="\n">
    <grammar.indirectDelegates:{g | <g.delegateName(> = <g.delegateName(>.delegateName(>.<g.delegateName(>};
    separator="\n">
    <last(grammar.delegators):{g|gParent = <g.delegateName(>};}>
  }
  <@end>

  @Override public String[] getTokenNames() { return
  <grammar.composite.rootGrammar.recognizerName>.tokenNames; }
  @Override public String getGrammarFileName() { return "<fileName>"; }

  <members>

  <rules; separator="\n\n">

  <! generate rule/method definitions for imported rules so they
  appear to be defined in this recognizer. !>
  // Delegated rules
  <grammar.delegatedRules:{ruleDescriptor|
  public <returnType(ruleDescriptor)> <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(>)
  throws <ruleDescriptor.throwsSpec; separator=", "> { <if(ruleDescriptor.hasReturnValue)>return
  <endif><ruleDescriptor.grammar:delegateName(>.<ruleDescriptor.name>(<if(ruleDescriptor.parameterScope)><ru
  leDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", "><endif>); \}}; separator="\n">

  <synpreds:{p | <synpred(p)>}>

  <cyclicDFAs:{dfa | protected DFA<dfa.decisionNumber>

```

```

dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this);}; separator="\n">
<cyclicDFAs:cyclicDFA()); separator="\n\n"><! dump tables for all DFA !>

<bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
    words64=it.bits)>}; separator="\n">
}
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new HashMap[<length(grammar.allImportedRules)>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
    {g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
    ASTLabelType="Object", superClass="Parser", labelType="Token",
    members={<actions.parser.members>}) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, "TokenStream", superClass,
    labelType, members, "Token",
    false, ASTLabelType)>
>>

/**
How to generate a tree parser; same as parser except the input
* stream is a different type.
*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
    numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
members={<actions.treeparser.members>}
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, "TreeNodeStream", superClass,
    labelType, members, "Node",
    filterMode, ASTLabelType)>
>>

/** A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot

```

```

be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
public final void <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>>) throws
<ruleDescriptor.throwsSpec:{x|<x>}; separator=", "> {
    <ruleLabelDefs(>
    <if(trace)>
    traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
    try {
        <block>
    }
    finally {
        traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
    }
    <else>
    <block>
    <endif>
}
// $ANTLR end <ruleName>
>>

synpred(name) ::= <<
public final boolean <name>() {
    state.backtracking++;
    <@start(>
    int start = input.mark();
    try {
        <name>_fragment(); // can never throw exception
    } catch (RecognitionException re) {
        System.err.println("impossible: "+re);
    }
    boolean success = !state.failed;
    input.rewind(start);
    <@stop(>
    state.backtracking--;
    state.failed=false;
    return success;
}<\n>
>>

lexerSynpred(name)
::= <<
<synpred(name)>
>>

```

```

ruleMemoization(name) ::= <<
<if(memoize)>
if ( state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>) ) {
<returnStatement((( <ruleReturnValue(>)))> }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnStatement((( <ruleReturnValue(>)))><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) {state.failed=true;
<returnStatement((( <ruleReturnValue(>)))><endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

// $ANTLR start
"<ruleName>"
// <fileName>:<description>
<if(isPredefinedRewriteRule.(ruleName) && filterMode && buildAST)>
@Override
<endif>
public final <returnType(ruleDescriptor)> <ruleName>(<ruleDescriptor.parameterScope:parameterScope(>)> throws
<ruleDescriptor.throwsSpec:{x|<x>}; separator=", "> {
<if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeSetUp(>
<ruleDeclarations(>
<ruleLabelDefs(>
<ruleDescriptor.actions.init>
<@preamble(>
try {
<ruleMemoization(name=ruleName)>
<block>
<ruleCleanUp(>
<(ruleDescriptor.actions.after):execAction(>
}
<if(exceptions)>
<exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
<else>

```

```

<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
  <actions.(actionScope).rulecatch>
<else>
  catch (RecognitionException re) {
    reportError(re);
    recover(input,re);
    <@setErrorReturnValue()>
  }
<endif>
<endif>
<endif>
  finally {
    // do for sure before leaving
    <if(trace)>traceOut("<ruleName>",
<ruleDescriptor.index>);<endif>
    <memoize()>
    <ruleScopeCleanUp()>
    <finally>
  }
  <@postamble()>
  <returnStatement(({<ruleReturnValue()>}), false)>
}
// $ANTLR end "<ruleName>"
>>

returnStatement(returnValue, force=true) ::= <%
<if(!isEmptyString.(returnValue))>
  return <returnValue>;
<elseif(force)>
  return;
<endif>
%>

catch(decl,action) ::= <<
catch (<e.decl>) {
  <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new <returnType(ruleDescriptor)>();
retval.start = input.LT(1);
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>

```



```

<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.index();
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes:{it |<it>_stack.push(new <it>_scope());}; separator="\n">
<ruleDescriptor.ruleScope:{it
|<it.name>_stack.push(new <it.name>_scope());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes:{it |<it>_stack.pop();}; separator="\n">
<ruleDescriptor.ruleScope:{it |<it.name>_stack.pop();}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
:{it |<labelType> <it.label.text>=null;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
:{it |List<Object> list_<it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{ll|RuleReturnScope <ll.label.text> = null;}; separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
:{it |<labelType> <it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.charLabels:{it
|int <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
:{it |List<Object> list_<it.label.text>=null;}; separator="\n"
>
>>

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>

```

```

<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if ( state.backtracking>0 ) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start "<ruleName>"
public final void m<ruleName>(<ruleDescriptor.parameterScope:parameterScope())
throws RecognitionException {
<if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
try {
<if(nakedBlock)>
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block>
<else>
int _type = <ruleName>;
int _channel = DEFAULT_TOKEN_CHANNEL;
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block>
<ruleCleanUp()>

```

```

state.type = _type;
state.channel = _channel;
<(ruleDescriptor.actions.after):execAction(>
<endif>
}
finally {
// do for sure before leaving
<if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeCleanUp(>
<memoize(>
}
}
// $ANTLR end "<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::=
<<
@Override
public void mTokens() throws RecognitionException {
<block>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision(>
<decision>
<@postdecision(>
<@prebranch(>
switch (alt<decisionNumber>) {
<alts:{a | <altSwitchCase(i,a)>}>
}
<@postbranch(>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>

```

```

<@predecision(>
<decision>
<@postdecision(>
switch (alt<decisionNumber>) {
  <alts:{a | <altSwitchCase(i,a)>}>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/**
A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int cnt<decisionNumber>=0;
<decls>
<@preloop(>
loop<decisionNumber>:
while (true) {
  int alt<decisionNumber>=<maxAlt>;
  <@predecision(>
  <decision>
  <@postdecision(>
  switch (alt<decisionNumber>) {
  <alts:{a | <altSwitchCase(i,a)>}>
  default :
    if ( cnt<decisionNumber> >= 1 ) break loop<decisionNumber>;
    <ruleBacktrackFailure(>
    EarlyExitException eee = new EarlyExitException(<decisionNumber>, input);
    <@earlyExitException(>
    throw eee;
  }
}

```

```
cnt<decisionNumber>++;
}
<@postloop()>
>>
```

```
positiveClosureBlockSingleAlt
 ::= positiveClosureBlock
```

```
/** A (..)* block with 1 or more alternatives */
```

```
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
```

```
<<
```

```
// <fileName>:<description>
```

```
<decls>
```

```
<@preloop()>
```

```
loop<decisionNumber>:
```

```
while (true) {
```

```
int alt<decisionNumber>=<maxAlt>;
```

```
<@predecision()>
```

```
<decision>
```

```
<@postdecision()>
```

```
switch (alt<decisionNumber>) {
```

```
<alts:{a | <altSwitchCase(i,a)>}>
```

```
default :
```

```
break loop<decisionNumber>;
```

```
}
```

```
}
```

```
<@postloop()>
```

```
>>
```

```
closureBlockSingleAlt ::= closureBlock
```

```
/** Optional blocks (x)? are translated to (x|) by before code generation
```

```
* so we can just use the normal block template
```

```
*/
```

```
optionalBlock ::= block
```

```
optionalBlockSingleAlt ::= block
```

```
/** A case in a switch that jumps to an alternative given the alternative
```

```
* number. A DFA predicts the alternative and then a simple switch
```

```
* does the jump to the code that actually matches that alternative.
```

```
*/
```

```
altSwitchCase(altNum,alt)
```

```
::= <<
```

```
case <altNum> :
```

```
<@prealt()>
```

```
<alt>
```

```
break;<\n>
```

```

>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label>=<(<labelType>)<endif>match(input,<token>,FOLLOW_<token>_in_<ruleName><elementIndex
>); <checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label,
label)>
>>

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new ArrayList<Object>();
list_<label>.add(<elem>);
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);

```

```

<endif>
match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);
<endif>
matchRange(<a>,<b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=<castToLabelType("input.LT(1)")>;
<endif>
<endif>
if ( <s> ) {
input.consume();
<postmatchCode>
<if(!LEXER)>
state.errorRecovery=false;
<endif>
<if(backtracking)>state.failed=false;<endif>
}
else {
<ruleBacktrackFailure()>
MismatchedSetException mse = new MismatchedSetException(null,input);
<@mismatchedSetException()>
<if(LEXER)>
recover(mse);
throw
mse;
<else>
throw mse;
<!-- use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
}
>>

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
int <label>Start = getCharIndex();
match(<string>); <checkRuleBacktrackFailure()>
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL, <label>Start,
getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>
match(<string>); <checkRuleBacktrackFailure()>
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions={ })
::= <<
<if(label)>
<label>=<castToLabelType("input.LT(1)")>;
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<wildcard(...)>
<listLabel(label, label)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);
<endif>
matchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly with arguments

```



```

* and a return value or values. The 'rule' argument was the
* target rule name, but now is type Rule, whose toString is
* same: the rule name. Now though you can access full rule
* descriptor stuff.
*/
ruleRef(rule,label,elementIndex,args,scope) ::= <<
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope:delegateName()>.<endif><rule.name>(<args;
separator=", ">);
state._fsp--;
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference.
*
* The 'rule' argument was the target rule name, but now
* is type Rule, whose toString is same: the rule name.
* Now though you can access full rule descriptor stuff.
*/
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>
<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args;
separator=", ">); <checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

```

```

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
match(EOF); <checkRuleBacktrackFailure()>
<labelType> <label> = new <labelType>(input, EOF, Token.DEFAULT_CHANNEL, <label>Start<elementIndex>,
getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

//
used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg()>"
recRuleArg()            ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name)    ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ( input.LA(1)==Token.DOWN ) {
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating
predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if ( !(<evalPredicate(pred,description)>) ) {

```

```

<ruleBacktrackFailure()>
throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
<if(!isTrue.(last(edges).labelExpr) && (!last(edges).predicates))>
else {
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
<else>
<ruleBacktrackFailure()>
<(nvaExceptionWrapperMap.(k))({NoViableAltException nvae =
new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);
<@noViableAltException()>
throw nvae;})>
<endif>
}
<endif>
>>

nvaExceptionWrapperMap ::= [
"1":"wrapNvaExceptionForK1",
"2":"wrapNvaExceptionForK2",
default:"wrapNvaExceptionForKN"
]

wrapNvaExceptionForK1(exceptionCode)
::= <<
<exceptionCode>
>>

wrapNvaExceptionForK2(exceptionCode) ::= <<
int nvaeMark = input.mark();
try {
input.consume();
<exceptionCode>
} finally {
input.rewind(nvaeMark);
}
>>

wrapNvaExceptionForKN(exceptionCode) ::= <<
int nvaeMark = input.mark();

```

```

try {
  for (int nvaeConsume = 0; nvaeConsume << <k> - 1; nvaeConsume++) {
    input.consume();
  }
  <exceptionCode>
} finally {
  input.rewind(nvaeMark);
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
>>

/** A DFA state that is actually the loopback
  decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
  alt<decisionNumber>=<eotPredictsAlt>;
}
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */

```

```

dfaEdge(labelExpr,
  targetState, predicates) ::= <<
if ( (<labelExpr>) <if(predicates)>&& (<predicates>)<endif> ) {
  <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( input.LA(<k>) ) {
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
<else>
<ruleBacktrackFailure()>
<(nvaExceptionWrapperMap.(k))({NoViableAltException nvae =
new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);
<@noViableAltException()>
throw nvae;})>
<endif>
}
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ( input.LA(<k>) ) {
<edges; separator="\n">
}
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState)
::= <<
switch ( input.LA(<k>) ) {
<edges; separator="\n">
<if(eotPredictsAlt)>
default:
alt<decisionNumber>=<eotPredictsAlt>;
break;
<endif>
}
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it |case <it>;}; separator="\n">

```

```

{
<targetState>
}
break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input);
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis
 * and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
static final String DFA<dfa.decisionNumber>_eotS =
"<dfa.javaCompressedEOT; wrap=\"\\n\\t\">";
static final String DFA<dfa.decisionNumber>_eofS =
"<dfa.javaCompressedEOF; wrap=\"\\n\\t\">";
static final String DFA<dfa.decisionNumber>_minS =
"<dfa.javaCompressedMin; wrap=\"\\n\\t\">";
static final String DFA<dfa.decisionNumber>_maxS =
"<dfa.javaCompressedMax; wrap=\"\\n\\t\">";
static final String DFA<dfa.decisionNumber>_acceptS =
"<dfa.javaCompressedAccept; wrap=\"\\n\\t\">";
static final String DFA<dfa.decisionNumber>_specialS =
"<dfa.javaCompressedSpecial; wrap=\"\\n\\t\">>";
static final String[] DFA<dfa.decisionNumber>_transitionS = {
<dfa.javaCompressedTransition:{s|<s; wrap=\"\\n\\t\">}; separator=",\n">
};

static final short[] DFA<dfa.decisionNumber>_eot =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eotS);
static final short[] DFA<dfa.decisionNumber>_eof =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eofS);
static

```

```

final char[] DFA<dfa.decisionNumber>_min =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
static final char[] DFA<dfa.decisionNumber>_max =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
static final short[] DFA<dfa.decisionNumber>_accept =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
static final short[] DFA<dfa.decisionNumber>_special =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_specialS);
static final short[][] DFA<dfa.decisionNumber>_transition;

static {
int numStates = DFA<dfa.decisionNumber>_transitionS.length;
DFA<dfa.decisionNumber>_transition = new short[numStates][];
for (int i=0; i<numStates; i++) {
DFA<dfa.decisionNumber>_transition[i] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
}
}

protected class DFA<dfa.decisionNumber> extends DFA {

public DFA<dfa.decisionNumber>(BaseRecognizer recognizer) {
this.recognizer
= recognizer;
this.decisionNumber = <dfa.decisionNumber>;
this.eot = DFA<dfa.decisionNumber>_eot;
this.eof = DFA<dfa.decisionNumber>_eof;
this.min = DFA<dfa.decisionNumber>_min;
this.max = DFA<dfa.decisionNumber>_max;
this.accept = DFA<dfa.decisionNumber>_accept;
this.special = DFA<dfa.decisionNumber>_special;
this.transition = DFA<dfa.decisionNumber>_transition;
}
@Override
public String getDescription() {
return "<dfa.description>";
}
<@errorMethod()>
<if(dfa.specialStateSTs)>
@Override
public int specialStateTransition(int s, IntStream _input) throws NoViableAltException {
<if(LEXER)>
IntStream input = _input;
<endif>
<if(PARSER)>
TokenStream input = (TokenStream)_input;
<endif>
<if(TREE_PARSER)>
TreeNodeStream input = (TreeNodeStream)_input;

```

```

<endif>
int _s = s;
switch ( s ) {
<dfa.specialStateSTs:{ state |
case <i0> : <! compressed special state numbers 0..n-1 !>
  <state>}; separator="\n">
  }
<if(backtracking)>
  if
    (state.backtracking>0) {state.failed=true; return -1;}
<endif>
  NoViableAltException nvae =
    new NoViableAltException(getDescription(), <dfa.decisionNumber>, _s, input);
  error(nvae);
  throw nvae;
}
<endif>
}
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(1);
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
int index<decisionNumber>_<stateNumber> = input.index();
input.rewind();
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);
<endif>
if ( s>=0 ) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr,
targetStateNumber, edgeNumber, predicates) ::= <<
if ( (<labelExpr>) <if(predicates)>&& (<predicates>)<endif> ) { s = <targetStateNumber>; }
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.

```



```

*/
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(pred,{ })>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt)
::= <%
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >= <lower>
&& input.LA(<k>) \<= <upper>)"

setTest(ranges) ::= <<
<ranges; separator=\\|\\>
>>

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
<scope.attributes:{it |<it.decl>;}; separator=\\n">
}
protected Stack\<<scope.name>_scope> <scope.name>_stack = new Stack\<<scope.name>_scope>();
<endif>
>>

```

```

ruleAttributeScope(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
protected static class <scope.name>_scope {
  <scope.attributes:{it |<it.decl>;}; separator="\n">
}
protected Stack<<scope.name>_scope> <scope.name>_stack = new Stack<<scope.name>_scope>();
<endif>
<endif>
>>

returnStructName(r) ::= "<r.name>_return"

returnType(ruleDescriptor) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>
<elseif(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
%>

/**
Generate the Java type associated with a single or multiple return
* values.
*/
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<returnScopeBaseType()>
<elseif(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
%>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

```

```

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;
%>

/**
Define a return struct for a rule if the code needs to access its
* start/stop tokens, tree stuff, attributes, ... Leave a hole for
* subgroups to stick in members.
*/
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public static class <ruleDescriptor.returnStructName()> extends <returnScopeBaseType()> {
<if(scope)><scope.attributes:{it |public <it.decl>;}; separator="\n"><endif>
<@ruleReturnMembers()>
};
<endif>
>>

returnScopeBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope
%>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>;"

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1).<attr.name>
<else>
<if(index)>
<scope>_stack.elementAt(<index>).<attr.name>
<else>
<scope>_stack.peek().<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex)
::= <%
<if(negIndex)>
<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1).<attr.name> =<expr>;
<else>

```

```

<if(index)>
<scope>_stack.elementAt(<index>).<attr.name> =<expr>;
<else>
<scope>_stack.peek().<attr.name> =<expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size(>0 && $function::name.equals("foo"))}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?(<<returnType(referencedRule)>><scope>).<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr)
::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>;
<else>
<attr.name> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

```

```

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>!=null?<scope>.getText():null)"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>!=null?<scope>.getType():0)"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=null?<scope>.getLine():0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=null?<scope>.getCharPositionInLine():0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=null?<scope>.getChannel():0)"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=null?<scope>.getTokenIndex():0)"
tokenLabelPropertyRef_tree(scope,attr)
 ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=null?Integer.valueOf(<scope>.getText()):0)"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=null?(<castToLabelType({<scope>.start})>):null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=null?(<castToLabelType({<scope>.stop})>):null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>!=null?(<ASTLabelType><scope>.getTree():null)"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
(<scope>!=null?(input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start))):null)
<else>
(<scope>!=null?input.toString(<scope>.start,<scope>.stop):null)
<endif>
%>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?((StringTemplate)<scope>.getTemplate():null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr)
 ::=
 "<scope>!=null?<scope>.getType():0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=
 "<scope>!=null?<scope>.getLine():0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
 "<scope>!=null?<scope>.getCharPositionInLine():-1)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::=
 "<scope>!=null?<scope>.getChannel():0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
 "<scope>!=null?<scope>.getTokenIndex():0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
 "<scope>!=null?<scope>.getText():null)"
lexerRuleLabelPropertyRef_int(scope,attr) ::=
 "<scope>!=null?Integer.valueOf(<scope>.getText()):0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "<castToLabelType(\"retval.start\")>"
rulePropertyRef_stop(scope,attr) ::= "<castToLabelType(\"retval.stop\")>"

```

```

rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.getTokenStream().toString(
    input.getTreeAdaptor().getTokenStartIndex(retval.start),
    input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))
<endif>
%>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "Integer.valueOf(<scope>.getText())"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr)
    ::= "retval.tree =<expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <%
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {
    <action>
}
<else>
<action>
<endif>
%>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static final BitSet <name> = new BitSet(new long[] { <words64: {it |<it>L}; separator="," > });
>>

```

```
codeFileExtension() ::= ".java"
```

```
true_value() ::= "true"
```

```
false_value() ::= "false"
```

```
isEmptyString ::= [
```

```
  "" : true,
```

```
  default : false
```

```
]
```

```
isTrue ::= [
```

```
  "true" : true,
```

```
  default : false
```

```
]
```

```
isDefaultLabelType ::= [
```

```
  "Token" : true,
```

```
  default : false
```

```
]
```

```
isPredefinedRewriteRule ::= [
```

```
  "topdown" : true,
```

```
  "bottomup" : true,
```

```
  default : false
```

```
]
```

```
castToLabelType(value) ::= <%
```

```
<if(!isDefaultLabelType.(labelType))>
```

```
(<labelType>)
```

```
<endif>
```

```
<value>
```

```
%>
```

Found

in path(s):

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Java/Java.stg

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2006 Terence Parr
```

```
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```

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*/

/** Template overrides to add debugging to normal Java output;

* If ASTs are built, then you'll also get ASTDbg.stg loaded.

*/

@outputFile.imports() ::= <<

<@super.imports(>

import org.antlr.runtime.debug.*;

import java.io.IOException;

>>

@genericParser.members() ::= <<

<if(grammar.grammarIsRoot)>

public static final String[] ruleNames = new String[] {

"invalidRule", <grammar.allImportedRules:{rST | "<rST.name>"}; wrap="\n\t\t", separator=",

">

};<\n>

<endif>

public static final boolean[] decisionCanBacktrack = new boolean[] {

false, // invalid decision

<grammar.decisions:{d | <d.dfa.hasSynPred; null="false">}; wrap="\n ", separator=",">

};<\n>

<if(grammar.grammarIsRoot)> <! grammar imports other grammar(s) !>

public int ruleLevel = 0;

public int getRuleLevel() { return ruleLevel; }

public void incRuleLevel() { ruleLevel++; }

public void decRuleLevel() { ruleLevel--; }

<if(profile)>

<ctorForProfilingRootGrammar(>

<else>

<ctorForRootGrammar(>

<endif>


```

    <ctorForPredefinedListener()>
<else><! imported grammar !>
    public int getRuleLevel() { return <grammar.delegators:{g| <g:delegateName()>}>.getRuleLevel(); }
    public void incRuleLevel() { <grammar.delegators:{g| <g:delegateName()>}>.incRuleLevel(); }
    public void decRuleLevel() { <grammar.delegators:{g| <g:delegateName()>}>.decRuleLevel(); }
    <ctorForDelegateGrammar()>
<endif>
<if(profile)>
    public boolean alreadyParsedRule(IntStream
input, int ruleIndex) {
        int stopIndex = getRuleMemoization(ruleIndex, input.index());
        ((Profiler)dbg).examineRuleMemoization(input, ruleIndex, stopIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
        return super.alreadyParsedRule(input, ruleIndex);
    }

    @Override
    public void memoize(IntStream input,
        int ruleIndex,
        int ruleStartIndex)
    {
        ((Profiler)dbg).memoize(input, ruleIndex, ruleStartIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
        super.memoize(input, ruleIndex, ruleStartIndex);
    }<\n>
<endif>
    protected boolean evalPredicate(boolean result, String predicate) {
        dbg.semanticPredicate(result, predicate);
        return result;
    }<\n>
>>

ctorForRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<! Same except we add port number and profile stuff if root grammar !>
    public <name>(<inputStreamType> input) {
        this(input, DebugEventSocketProxy.DEFAULT_DEBUGGER_PORT,
        new RecognizerSharedState());
    }
    public <name>(<inputStreamType> input, int port, RecognizerSharedState state) {
        super(input, state);
        <parserCtorBody()>
        <createListenerAndHandshake()>
        <grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g| <g:delegateName()>}>)}>; separator="\n">
        <@finally()>
    }<\n>
>>

```

```

ctorForProfilingRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
public <name>(<inputStreamType> input) {
    this(input, new Profiler(null), new RecognizerSharedState());
}
public <name>(<inputStreamType> input, DebugEventListener dbg, RecognizerSharedState state) {
    super(input, dbg, state);
    Profiler p = (Profiler)dbg;
    p.setParser(this);
    <parserCtorBody()>
    <grammar.directDelegates:
        {g|<g.delegateName()> = new <g.recognizerName>(input, dbg, this.state, this<grammar.delegators:{g|,
<g.delegateName()>>}); separator="\n">
    <@finally()>
}
<\n>
>>

/**
    Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
public <name>(<inputStreamType> input, DebugEventListener dbg, RecognizerSharedState
state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>>}) {
    super(input, dbg, state);
    <parserCtorBody()>
    <grammar.directDelegates:
        {g|<g.delegateName()> = new <g.recognizerName>(input, this, this.state<grammar.delegators:{g|,
<g.delegateName()>>}); separator="\n">
    }<\n>
>>

ctorForPredefinedListener() ::= <<
public <name>(<inputStreamType> input, DebugEventListener dbg) {
    <@superClassRef>super(input, dbg, new RecognizerSharedState());<@end>
    <if(profile)>
        Profiler p = (Profiler)dbg;
        p.setParser(this);
    <endif>
    <parserCtorBody()>
    <grammar.directDelegates:{g|<g.delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g|, <g.delegateName()>>}); separator="\n">
    <@finally()>
}<\n>
>>

createListenerAndHandshake()

```

```

 ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy =
new DebugEventSocketProxy(this, port, input.getTreeAdaptor());<\n>
<else>
DebugEventSocketProxy proxy =
new DebugEventSocketProxy(this, port, null);<\n>
<endif>
setDebugListener(proxy);
try {
proxy.handshake();
}
catch (IOException ioe) {
reportError(ioe);
}
>>

@genericParser.superClassName() ::= "Debug<@super.superClassName()>"

@rule.preamble() ::= <<
try { dbg.enterRule(getGrammarFileName(), "<ruleName>");
if ( getRuleLevel()==0 ) {dbg.commence();}
incRuleLevel();
dbg.location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine>);<\n>
>>

@rule.postamble() ::= <<
dbg.location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>
}
finally {
dbg.exitRule(getGrammarFileName(), "<ruleName>");
decRuleLevel();
if ( getRuleLevel()==0 ) {dbg.terminate();}
}<\n>
>>

@synpred.start() ::= "dbg.beginBacktrack(state.backtracking);"

@synpred.stop() ::=
"dbg.endBacktrack(state.backtracking, success);"

// Common debug event triggers used by region overrides below

enterSubRule() ::=
"try { dbg.enterSubRule(<decisionNumber>);<\n>"

exitSubRule() ::=
"} finally {dbg.exitSubRule(<decisionNumber>);}<\n>"

```

```

enterDecision() ::=
    "try { dbg.enterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);<\n>"

exitDecision() ::=
    "} finally {dbg.exitDecision(<decisionNumber>);}<\n>"

enterAlt(n) ::= "dbg.enterAlt(<n>);<\n>"

// Region overrides that tell various constructs to add debugging triggers

@block.predecision() ::= "<enterSubRule()><enterDecision()>"

@block.postdecision() ::= "<exitDecision()>"

@block.postbranch() ::= "<exitSubRule()>"

@ruleBlock.predecision() ::= "<enterDecision()>"

@ruleBlock.postdecision() ::= "<exitDecision()>"

@ruleBlockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@blockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

@positiveClosureBlock.postloop()
::= "<exitSubRule()>"

@positiveClosureBlock.predecision() ::= "<enterDecision()>"

@positiveClosureBlock.postdecision() ::= "<exitDecision()>"

@positiveClosureBlock.earlyExitException() ::=
    "dbg.recognitionException(eee);<\n>"

@closureBlock.preloop() ::= "<enterSubRule()>"

@closureBlock.postloop() ::= "<exitSubRule()>"

@closureBlock.predecision() ::= "<enterDecision()>"

@closureBlock.postdecision() ::= "<exitDecision()>"

@altSwitchCase.prealt() ::= "<enterAlt(altNum)>" // altNum is arg of altSwitchCase

@element.prematch() ::=

```

```
"dbg.location(<e.line>,<e.pos>);" // e is arg of element
```

```
@matchSet.mismatchedSetException() ::=  
"dbg.recognitionException(mse);"
```

```
@dfaState.noViableAltException() ::= "dbg.recognitionException(nvae);"
```

```
@dfaStateSwitch.noViableAltException() ::= "dbg.recognitionException(nvae);"
```

```
dfaDecision(decisionNumber,description) ::= <<
```

```
try {
```

```
isCyclicDecision = true;
```

```
<super.dfaDecision(...)>
```

```
}
```

```
catch
```

```
(NoViableAltException nvae) {
```

```
dbg.recognitionException(nvae);
```

```
throw nvae;
```

```
}
```

```
>>
```

```
@cyclicDFA.errorMethod() ::= <<
```

```
public void error(NoViableAltException nvae) {
```

```
dbg.recognitionException(nvae);
```

```
}
```

```
>>
```

```
/** Force predicate validation to trigger an event */
```

```
evalPredicate(pred,description) ::= <<
```

```
evalPredicate(<pred>,<description>")
```

```
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Java/Dbg.stg
```

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```
/*
```

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*/

/** Template overrides to add debugging to normal C output;

* If ASTs are built, then you'll also get ASTDbg.stg loaded.

*/

```
@genericParser.members() ::= <<
```

```
<if(grammar.grammarIsRoot)>
```

```
const char *
```

```
ruleNames[] =
```

```
{
```

```
"invalidRule", <grammar.allImportedRules: {rST | "<rST.name>"}; wrap="\n ", separator=", ">
```

```
};<\n>
```

```
<endif>
```

```
<if(grammar.grammarIsRoot)> <! grammar
```

```
imports other grammar(s) !>
```

```
static ANTLR3_UINT32 ruleLevel = 0;
```

```
static ANTLR3_UINT32 getRuleLevel()
```

```
{
```

```
return ruleLevel;
```

```
}
```

```
static void incRuleLevel()
```

```
{
```

```
ruleLevel++;
```

```
}
```

```
static void decRuleLevel()
```

```
{
```

```
ruleLevel--;
```

```
}
```

```
<else> <! imported grammar !>
```

```
static ANTLR3_UINT32
```

```
getRuleLevel()
```

```

{
    return <grammar.delegators:{g| <g:delegateName(>}>->getRuleLevel();
}
static void incRuleLevel()
{
    <grammar.delegators:{g| <g:delegateName(>}>->incRuleLevel();
}
static void
decRuleLevel()
{
    <grammar.delegators:{g| <g:delegateName(>}>.decRuleLevel();
}
<endif>
<if(profile)>
// Profiling not yet implemented for C target
//
<endif>
<if(grammar.grammarIsRoot)>
<ctorForPredefinedListener(>
<else>
<ctorForDelegateGrammar(>
<endif>

static ANTLR3_BOOLEAN
evalPredicate(p<name> ctx, ANTLR3_BOOLEAN result, const char * predicate)
{
    DBG->semanticPredicate(DBG, result, predicate);
    return result;
}<\n>
>>

@genericParser.debugStuff() ::= <<
<if(grammar.grammarIsRoot)>
<createListenerAndHandshake(>
<endif>
>>

ctorForProfilingRootGrammar()
::= <<
>>

/** Basically we don't want to set any dbg listeners as root will have it. */
ctorForDelegateGrammar() ::= <<

>>

ctorForPredefinedListener() ::= <<

```

>>

```
createListenerAndHandshake() ::= <<
```

```
{
```

```
// DEBUG MODE code
```

```
//
```

```
pANTLR3_DEBUG_EVENT_LISTENER proxy;
```

```
proxy = antlr3DebugListenerNew();
```

```
proxy->grammarFileName = INPUT->tokenSource->strFactory->newStr8(INPUT->tokenSource->strFactory,  
(pANTLR3_UINT8)ctx->getGrammarFileName());
```

```
<if(TREE_PARSER)>
```

```
proxy->adaptor = ADAPTOR;
```

```
<endif>
```

```
PARSER->setDebugListener(PARSER, proxy);
```

```
// Try to connect to the debugger (waits forever for a connection)
```

```
//
```

```
proxy->handshake(proxy);
```

```
// End DEBUG MODE code
```

```
//
```

```
}
```

>>

```
@rule.preamble() ::= <<
```

```
if ( getRuleLevel()==0 )
```

```
{
```

```
DBG->commence(DBG);
```

```
}
```

```
DBG->enterRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");
```

```
incRuleLevel();
```

```
DBG->location(DBG, <ruleDescriptor.tree.line>,
```

```
<ruleDescriptor.tree.column>);<\n>
```

>>

```
@rule.postamble() ::= <<
```

```
DBG->location(DBG, <ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.column>);<\n>
```

```
DBG->exitRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");
```

```
decRuleLevel();
```

```
if ( getRuleLevel()==0 )
```

```
{
```

```
DBG->terminate(DBG);
```

```
}
```

```
<\n>
```

>>


```

@checkRuleBacktrackFailure.debugClean() ::= <<
DBG->exitRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");
decRuleLevel();
>>

@synpred.start() ::= "DBG->beginBacktrack(DBG, BACKTRACKING);"

@synpred.stop() ::= "DBG->endBacktrack(DBG, BACKTRACKING, success);"

// Common debug event triggers used by region overrides below

enterSubRule() ::=
  "DBG->enterSubRule(DBG, <decisionNumber>);<\n>"

exitSubRule() ::=
  "DBG->exitSubRule(DBG, <decisionNumber>);<\n>"

enterDecision() ::=
  "DBG->enterDecision(DBG, <decisionNumber>);<\n>"

exitDecision() ::=
  "DBG->exitDecision(DBG, <decisionNumber>);<\n>"

enterAlt(n) ::= "DBG->enterAlt(DBG,
<n>);<\n>"

// Region overrides that tell various constructs to add debugging triggers

@block.predecision() ::= "<enterSubRule()><enterDecision()>"

@block.postdecision() ::= "<exitDecision()>"

@block.postbranch() ::= "<exitSubRule()>"

@ruleBlock.predecision() ::= "<enterDecision()>"

@ruleBlock.postdecision() ::= "<exitDecision()>"

@ruleBlockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@blockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

@positiveClosureBlock.postloop() ::= "<exitSubRule()>"

@positiveClosureBlock.predecision() ::= "<enterDecision()>"

```

```

@positiveClosureBlock.postdecision() ::= "<exitDecision(>"

@positiveClosureBlock.earlyExitException() ::=
  "DBG->recognitionException(DBG, EXCEPTION);<\n>"

@closureBlock.preloop() ::= "<enterSubRule(>"

@closureBlock.postloop() ::= "<exitSubRule(>"

@closureBlock.predecision() ::= "<enterDecision(>"

@closureBlock.postdecision()
 ::= "<exitDecision(>"

@altSwitchCase.preal() ::= "<enterAlt(altNum)>"

@element.prematch() ::=
  "DBG->location(DBG, <e.line>, <e.pos>);" // e is arg of element

@matchSet.mismatchedSetException() ::=
  "DBG->recognitionException(DBG, EXCEPTION);"

@newNVException.noViableAltException() ::= "DBG->recognitionException(DBG, EXCEPTION);"

dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(ctx, RECOGNIZER, ISTREAM,
&cdfa<decisionNumber>);
if (HASEXCEPTION())
{
  DBG->recognitionException(DBG, EXCEPTION);
  goto rule<ruleDescriptor.name>Ex;
}
<checkRuleBacktrackFailure(>
>>

@cyclicDFA.errorMethod() ::= <<
//static void
//dfaError(p<name> ctx)
//{{
//  DBG->recognitionException(DBG, EXCEPTION);
//}}
>>

/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
evalPredicate(ctx, <pred>, (const char *)"<description>")
>>

```

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* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/C/Dbg.stg

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*/

/** Templates for building ASTs during normal parsing.

*

* Deal with many combinations. Dimensions are:

* Auto build or rewrite

* no label, label, list label (label/no-label handled together)

* child, root

* token, set, rule, wildcard

*

* The situation is not too bad as rewrite (->) usage makes ^ and !

*

invalid. There is no huge explosion of combinations.

*/

group ASTParser;

@rule.setErrorReturnValue() ::= <<

RetVal.Tree := Adaptor.ErrorNode(Input, RetVal.Start as IToken,

Input.LT(-1), RE) as I<ASTLabelType>;

>>

// TOKEN AST STUFF

/** ID and output=AST */

tokenRef(token,label,elementIndex,terminalOptions) ::= <<

<super.tokenRef(...)>

<if(backtracking)>

if (State.Backtracking = 0) then

begin<\n>

<endif>

<label>_tree := <createNodeFromToken(...)>;

```

Adaptor.AddChild(Root[0], <label>_tree);
<if(backtracking)>
end;
<endif>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := <createNodeFromToken(...)>;
Root[0] := Adaptor.BecomeRoot(<label>_tree, Root[0]) as I<ASTLabelType>;
<if(backtracking)>
end;
<endif>
>>

/**
ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making

```

```

// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed
to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(..., postmatchCode={ <if(backtracking)>if (State.Backtracking = 0) then
<endif>Adaptor.AddChild(Root[0], <createNodeFromToken(...)>);}>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(label)>
<label> := Input.LT(1) as I<labelType>;<n>
<endif>
<super.matchSet(..., postmatchCode={ <if(backtracking)>if (State.Backtracking
= 0) then <endif>Root[0] := Adaptor.BecomeRoot(<createNodeFromToken(...)>, Root[0]) as
I<ASTLabelType>;}>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Adaptor.AddChild(Root[0], <label>.Tree);
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Root[0] := Adaptor.BecomeRoot(<label>.Tree, Root[0])
as I<ASTLabelType>;
>>

```

```

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(elem=label+".Tree",...)>
>>

/**
x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".Tree",...)>
>>

// WILDCARD AST

wildcard(label,elementIndex) ::= <<
<super.wildcard(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := Adaptor.CreateNode(<label>) as I<ASTLabelType>;
Adaptor.AddChild(Root[0], <label>_tree);
<if(backtracking)>
end;
<endif>
>>

wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"

wildcardRuleRoot(label,elementIndex) ::= <<
<super.wildcard(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := Adaptor.CreateNode(<label>) as I<ASTLabelType>;
Root[0] := Adaptor.BecomeRoot(<label>_tree, Root[0]) as I<ASTLabelType>;
<if(backtracking)>
end;
<endif>

```

>>

```
createNodeFromToken(label,terminalOptions) ::= <<
<if(terminalOptions.node)>
T<terminalOptions.node>.Create(<label>)
<! new MethodNode(IDLabel) !>
<else>
Adaptor.CreateNode(<label>) as I<ASTLabelType>
<endif>
>>
```

```
ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
RetVal.Tree := Adaptor.RulePostProcessing(Root[0]) as I<ASTLabelType>;
<if(!TREE_PARSER)>
Adaptor.SetTokenBoundaries(RetVal.Tree, RetVal.Start as IToken, RetVal.Stop as IToken);
<endif>
<if(backtracking)>
<\n>end;
<endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Delphi/ASTParser.stg
```

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*/

```
scalaTypeInitMap ::= [  
  "Int": "0",  
  "Long": "0",  
  "Float": "0.0f",  
  "Double": "0.0",  
  "Boolean": "false",  
  "Byte": "0",  
  "Short": "0",  
  "Char": "0",  
  default: "null" // anything other than an atomic type  
]
```

```
/** The overall file structure of a recognizer; stores methods for rules  
 * and cyclic DFAs plus support code.
```

```
*/
```

```
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,  
  docComment, recognizer,  
  name, tokens, tokenNames, rules, cyclicDFAs,  
  bitsets, buildTemplate, buildAST, rewriteMode, profile,  
  backtracking, synpreds, memoize, numRules,  
  fileName, ANTLRVersion, generatedTimestamp, trace,  
  scopes, superClass, literals) ::=
```

```
<<
```

```
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
```

```
<actions.(actionScope).header>
```

```
<@imports>
```

```
import org.antlr.runtime._
```

```
<if(TREE_PARSER)>
```

```
import org.antlr.runtime.tree._
```

```
<endif>
```

```
<@end>
```

```
<docComment>
```

```
<recognizer>
```

>>

```
lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
    superClass="Lexer") ::= <<
object <grammar.recognizerName> {
    <tokens:{it | val <it.name> = <it.type>}; separator="\n">

    <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
}
}
```

```
class <grammar.recognizerName>(input: CharStream, state<grammar.delegators:{g|, <g.recognizerName>
<g.delegateName()>}: RecognizerSharedState) extends <@superClassName><superClass><@end>(input,
state<grammar.delegators:{g|,
<g.recognizerName> <g.delegateName()>}> {
import <grammar.recognizerName>._
<actions.lexer.members>
```

```
// delegates
```

```
<grammar.delegates:
```

```
{g|<g.recognizerName> <g.delegateName()>}; separator="\n">
```

```
// delegators
```

```
<grammar.delegators:
```

```
{g|<g.recognizerName> <g.delegateName()>}; separator="\n">
```

```
<last(grammar.delegators):{g|public <g.recognizerName> gParent;}>
```

```
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope()><endif>}>
```

```
def this(input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}: CharStream) =
    this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>}>)
```

```
<if(memoize)>
```

```
<if(grammar.grammarIsRoot)>
```

```
state.ruleMemo = new Array[java.util.Map[_,_]](<numRules>+1)<\n> <! index from 1..n !>
```

```
<endif>
```

```
<endif>
```

```
<grammar.directDelegates:
```

```
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|,
```

```
<p.delegateName()>}>,
```

```
this}); separator="\n">
```

```
<grammar.delegators:
```

```
{g|this.<g.delegateName()> = <g.delegateName()>}; separator="\n">
```

```
<last(grammar.delegators):{g|gParent = <g.delegateName()>}>
```

```
override def getGrammarFileName = "<fileName>"
```

```
<if(filterMode)>
```

```
<filteringNextToken()>
```

```
<endif>
```

```

<rules; separator="\n\n">

<synpreds:{p | <lexerSynpred(p)>}>
<cyclicDFAs:{dfa | private val dfa<dfa.decisionNumber> = new
<grammar.recognizerName>.DFA<dfa.decisionNumber>(this)}; separator="\n">
}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
override def nextToken(): Token = {
  while (true) {
    if ( input.LA(1)==CharStream.EOF
) {
      var eof: Token = new CommonToken((CharStream)input,Token.EOF,
          Token.DEFAULT_CHANNEL,
          input.index(),input.index())
      eof.setLine(getLine())
      eof.setCharPositionInLine(getCharPositionInLine())
      return eof
    }
    state.token = null
state.channel = Token.DEFAULT_CHANNEL
state.tokenStartCharIndex = input.index()
state.tokenStartCharPositionInLine = input.getCharPositionInLine()
state.tokenStartLine = input.getLine()
state.text = null
try {
  val m = input.mark()
  state.backtracking=1 <! means we won't throw slow exception !>
  state.failed=false
  mTokens()
  state.backtracking=0
  <! mTokens backtracks with synpred at backtracking==2
  and we set the synpredgate to allow actions at level 1. !>
  if ( state.failed
) {
    input.rewind(m)
    input.consume() <! advance one char and try again !>
  }
  else {
    emit()
    return state.token
  }
}

```

```

    }
  }
  catch {
    case re: RecognitionException =>
      // shouldn't happen in backtracking mode, but...
      reportError(re)
      recover(re)
    }
  }
}

override def memoize(input: IntStream,
  ruleIndex: Int,
  ruleStartIndex: Int) = {
  if ( state.backtracking>1 ) super.memoize(input, ruleIndex, ruleStartIndex)
}

override def alreadyParsedRule(input: IntStream, ruleIndex: Int):Boolean {
  if ( state.backtracking>1 ) return super.alreadyParsedRule(input, ruleIndex)
  return false
}
>>

actionGate() ::= "state.backtracking==0"

filteringActionGate() ::= "state.backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,

  bitsets, inputStreamType, superClass,
    labelType, members, rewriteElementType,
    filterMode, ASTLabelType="Object") ::= <<
object <grammar.recognizerName> {
<if(grammar.grammarIsRoot)>
  val tokenNames = Array(
    "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
  )<\n>
<endif>

  <tokens:{it | val <it.name> = <it.type>; separator="\n">

  <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

  <bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
    words64=it.bits)>>
}

```

```

class <grammar.recognizerName>(input: <inputStreamType>, state<grammar.delegators:{g|,<g.recognizerName>
<g.delegateName()>}>: RecognizerSharedState) extends <@superClassName><superClass><@end>(input, state) {
  import <grammar.recognizerName>._
  // delegates
  <grammar.delegators:
    {g|public <g.recognizerName> <g.delegateName()>; separator="\n">
  // delegators
  <grammar.delegators:
    {g|public <g.recognizerName> <g.delegateName()>; separator="\n">
  <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>

  <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope()><endif>}>

  <@members>
  <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
  def this(input<grammar.delegators:{g|,<g.recognizerName> <g.delegateName()>}>: <inputStreamType>) =
    this(input, new RecognizerSharedState()<grammar.delegators:{g|,<g.delegateName()>}>)

  <parserCtorBody()>
  <grammar.directDelegates:
    {g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|,
<p:delegateName()>}>, this)}; separator="\n">
  <grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegateName()>.<g.delegateName()>};
separator="\n">
  <last(grammar.delegators):{g|gParent = <g.delegateName()>}>
  <@end>

  override def getTokenNames: Array[String]
= tokenNames
  override def getGrammarFileName = "<fileName>"

  <members>

  <rules; separator="\n\n">

  <! generate rule/method definitions for imported rules so they
  appear to be defined in this recognizer. !>
  // Delegated rules
  <grammar.delegatedRules:{ruleDescriptor|
    @throws(classOf[RecognitionException])
    def <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>): <returnType()> = \{
  <if(ruleDescriptor.hasReturn Value)>return
  <endif><ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope.attribut
es:{a|<a.name>}; separator=", ">) \}; separator="\n">

  <synpreds:{p | <synpred(p)>}>

  <cyclicDFAs:{dfa | private val dfa<dfa.decisionNumber> = new

```

```

<grammar.recognizerName>.DFA<dfa.decisionNumber>(this); separator="\n">
}
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new Array[java.util.Map[_,_]](<length(grammar.allImportedRules)>+1)<\n> <!
index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g[this.<g.delegateName()>] = <g.delegateName()>}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
    ASTLabelType="Object", superClass="Parser", labelType="Token",
    members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="TokenStream", rewriteElementType="Token", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
    numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
    superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
    members={<actions.treeparser.members>}
    ) ::= <<
<genericParser(inputStreamType="TreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a
    rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
@throws(classOf[RecognitionException])
def <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope()>): Unit = {
    <ruleLabelDefs()>
<if(trace)>
    traceIn("<ruleName>_fragment", <ruleDescriptor.index>)

```

```

try {
    <block>
}
finally {
    traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
}
<else>
    <block>
<endif>
}
// $ANTLR end <ruleName>
>>

```

```

synpred(name) ::= <<
final def <name>(): Boolean = {
    state.backtracking+=1
    <@start()>
    val start = input.mark()
    try {
        <name>_fragment() // can never throw exception
    } catch {
        case re: RecognitionException =>
            System.err.println("impossible: "+re)
    }
    val success = !state.failed
    input.rewind(start)
    <@stop()>
    state.backtracking-=1
    state.failed=false
    success
}<\n>
>>

```

```

lexerSynpred(name) ::= <<
<synpred(name)>
>>

```

```

ruleMemoization(name) ::= <<
<if(memoize)>
if ( state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index> ) ) { return <ruleReturnValue()> }
<endif>
>>

```

```

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) return <ruleReturnValue()><endif>
>>

```

```

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) { state.failed=true; return <ruleReturnValue()>}<endif>
>>

/** How to generate code for a rule. This includes
any return type
* data aggregates required for multiple return values.
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

// $ANTLR start "<ruleName>"
// <fileName>:<description>
@throws(classOf[RecognitionException])
final def <ruleName>(<ruleDescriptor.parameterScope.parameterScope()>): <returnType()> = {
  <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>)<endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  <ruleLabelDefs()>
  <ruleDescriptor.actions.init>
  <@preamble()>
  try {
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp()>
    <(ruleDescriptor.actions.after):execAction()>
  }
  <if(exceptions)>
    <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
  <else>
  <if(!emptyRule)>
  <if(actions.(actionScope).rulecatch)>
    <actions.(actionScope).rulecatch>
  <else>
    catch {
      case re: RecognitionException =>
        reportError(re)
        recover(input,re)
    }
  <@setErrorReturnValue()>
  }<\n>
  <endif>
  <endif>
  <endif>
  finally {
    <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
    <memoize()>
  }
}

```



```

    <ruleScopeCleanUp()>
    <finally>
    }
    <@postamble()>
    return <ruleReturnValue()>
    }
    // $ANTLR end "<ruleName>"
    >>

    catch(decl,action) ::= <<
    catch (<e.decl>) {
        <e.action>
    }
    >>

    ruleDeclarations() ::= <<
    <if(ruleDescriptor.hasMultipleReturnValues)>
    val retval = new <returnType()>()
    retval.start = input.LT(1)<\n>
    <else>
    <ruleDescriptor.returnScope.attributes: { a |
    var <a.name>: <a.type> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>
    }>
    <endif>
    <if(memoize)>
    val <ruleDescriptor.name>_startIndex = input.index()
    <endif>
    >>

    ruleScopeSetUp() ::= <<
    <ruleDescriptor.useScopes: { it | <it>_stack.push(new <it>_scope()); separator="\n">
    <ruleDescriptor.ruleScope: { it
    | <it.name>_stack.push(new <it.name>_scope()); separator="\n">
    >>

    ruleScopeCleanUp() ::= <<
    <ruleDescriptor.useScopes: { it | <it>_stack.pop(); separator="\n">
    <ruleDescriptor.ruleScope: { it | <it.name>_stack.pop(); separator="\n">
    >>

    ruleLabelDefs() ::= <<
    <[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
    ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
    : { it | var <it.label.text>: <labelType> = null }; separator="\n"
    >
    <[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
    : { it | var list_<it.label.text>: java.util.List=null }; separator="\n"

```

```

>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{ll|var <ll.label.text>: RuleReturnScope = null}; separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it
| var <it.label.text>: <labelType>=null}; separator="\n"
>
<ruleDescriptor.charLabels:{it | int <it.label.text>}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | var list_<it.label.text>: java.util.List=null}; separator="\n"
>
>>

ruleReturnValue() ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
>>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = input.LT(-1)<\n>
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if ( state.backtracking>0 ) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex) }
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for

```

```

* fragment rules.
*/
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::=
<<
// $ANTLR start "<ruleName>"
@throws(classOf[RecognitionException])
final def m<ruleName>(<ruleDescriptor.parameterScope:parameterScope()): Unit = {
  <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index><endif>
  <ruleScopeSetUp()>
  <ruleDeclarations()>
  try {
<if(nakedBlock)>
    <ruleMemoization(name=ruleName)>
    <lexerRuleLabelDefs()>
    <ruleDescriptor.actions.init>
    try <block><\n>
<else>
    var _type = <ruleName>
    var _channel = BaseRecognizer.DEFAULT_TOKEN_CHANNEL
    <ruleMemoization(name=ruleName)>
    <lexerRuleLabelDefs()>
    <ruleDescriptor.actions.init>
    try <block>
    <ruleCleanUp()>
    state.`type` = _type
    state.channel = _channel
    <(ruleDescriptor.actions.after):execAction()>
<endif>
  }
  finally {
    <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index><endif>
    <ruleScopeCleanUp()>
    <memoize()>
  }
}
// $ANTLR end
"<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
* that chooses between lexer rules.
*/
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
@throws(classOf[RecognitionException])
def mTokens(): Unit = {
  <block><\n>
}
>>

```

```
// S U B R U L E S
```

```
/** A (...) subrule with multiple alternatives */
```

```
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
```

```
// <fileName>:<description>
```

```
var alt<decisionNumber> = <maxAlt>
```

```
<decls>
```

```
<@predecision()>
```

```
<decision>
```

```
<@postdecision()>
```

```
<@prebranch()>
```

```
alt<decisionNumber> match {
```

```
  <alts:{a | <altSwitchCase(i,a)>}>
```

```
  case _ =>
```

```
}
```

```
<@postbranch()>
```

```
>>
```

```
/** A rule block with multiple alternatives */
```

```
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
```

```
// <fileName>:<description>
```

```
var alt<decisionNumber> = <maxAlt>
```

```
<decls>
```

```
<@predecision()>
```

```
<decision>
```

```
<@postdecision()>
```

```
alt<decisionNumber>
```

```
match {
```

```
  <alts:{a | <altSwitchCase(i,a)>}>
```

```
  case _ =>
```

```
}
```

```
>>
```

```
ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
```

```
// <fileName>:<description>
```

```
<decls>
```

```
<@prealt()>
```

```
<alts>
```

```
<@postalt()>
```

```
>>
```

```
/** A special case of a (...) subrule with a single alternative */
```

```
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
```

```
// <fileName>:<description>
```

```
<decls>
```

```
<@prealt()>
```

```
<alts>
```

```

<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
var cnt<decisionNumber>: Int = 0
<decls>
<@preloop()>
var loop<decisionNumber>_quitflag = false
while (!loop<decisionNumber>_quitflag) {
  var alt<decisionNumber>:Int = <maxAlt>
  <@predecision()>
  <decision>
  <@postdecision()>
  alt<decisionNumber> match
  {
    <alts:{a | <altSwitchCase(i,a)>}>
  }
  case _ =>
    if ( cnt<decisionNumber> >= 1 ) loop<decisionNumber>_quitflag = true
    else {
      <ruleBacktrackFailure()>
      val eee = new EarlyExitException(<decisionNumber>, input)
      <@earlyExitException()>
      throw eee
    }
  }
  cnt<decisionNumber>+=1
}
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
// <fileName>:<description>
<decls>
<@preloop()>
var loop<decisionNumber>_quitflag = false
while (!loop<decisionNumber>_quitflag) {
  var alt<decisionNumber>:Int = <maxAlt>
  <@predecision()>
  <decision>
  <@postdecision()>
  alt<decisionNumber> match {

```

```

    <alts:{ a | <altSwitchCase(i,a)>}>
case _ => loop<decisionNumber>_quitflag = true
}
}
<@postloop()>
>>

closureBlockSingleAlt
::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
* number. A DFA predicts the alternative and then a simple switch
* does the jump to the code that actually matches that alternative.
*/
altSwitchCase(altNum, alt) ::= <<
case <altNum> =>
    <@prealt()>
    <alt>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::=

```

```

<<
<@prematch(>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=<endif>`match`(input,<token>,FOLLOW_<token>_in_<ruleName><elementIndex>)<if(label)>
.asInstanceOf[<labelType>]<endif>
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new java.util.ArrayList()
list_<label>.add(<elem>)<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1)<\n>
<endif>
`match`(<char>)
<checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1)<\n>
<endif>
matchRange(<a>,<b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="")
::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1)<\n>
<else>
<label>=input.LT(1).asInstanceOf[<labelType>]<\n>

```

```

<endif>
<endif>
if ( <s> ) {
    input.consume()
    <postmatchCode>
    <if(!LEXER)>
        state.errorRecovery=false<\n>
    <endif>
    <if(backtracking)>state.failed=false<endif>
}
else {
    <ruleBacktrackFailure()>
    val mse = new MismatchedSetException(null,input)
    <@mismatchedSetException()>
    <if(LEXER)>
        recover(mse)
        throw mse
    <else>
        throw mse
        <! use following code to make it recover inline; remove throw mse;
        recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>
        !>
    <endif>
}<\n>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
val <label>Start
    = getCharIndex()
`match`(<string>)
<checkRuleBacktrackFailure()>
val <label>StartLine<elementIndex> = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL, <label>Start,
getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
`match`(<string>)

```



```
<checkRuleBacktrackFailure()><\n>
```

```
<endif>
```

```
>>
```

```
wildcard(token,label,elementIndex,terminalOptions) ::= <<
```

```
<if(label)>
```

```
<label>=input.LT(1).asInstanceOf[<labelType>]<\n>
```

```
<endif>
```

```
matchAny(input)
```

```
<checkRuleBacktrackFailure()>
```

```
>>
```

```
wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
```

```
<wildcard(...)>
```

```
<listLabel(elem=label,...)>
```

```
>>
```

```
/** Match . wildcard in lexer */
```

```
wildcardChar(label, elementIndex) ::= <<
```

```
<if(label)>
```

```
<label> = input.LA(1)<\n>
```

```
<endif>
```

```
matchAny()
```

```
<checkRuleBacktrackFailure()>
```

```
>>
```

```
wildcardCharListLabel(label,
```

```
elementIndex) ::= <<
```

```
<wildcardChar(...)>
```

```
<listLabel(elem=label,...)>
```

```
>>
```

```
/** Match a rule reference by invoking it possibly with arguments
```

```
* and a return value or values. The 'rule' argument was the
```

```
* target rule name, but now is type Rule, whose toString is
```

```
* same: the rule name. Now though you can access full rule
```

```
* descriptor stuff.
```

```
*/
```

```
ruleRef(rule,label,elementIndex,args,scope) ::= <<
```

```
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
```

```
<if(label)><label>=<endif><if(scope)><scope:delegateName()>.<endif><rule.name>(<args; separator=", ">)<\n>
```

```
state._fsp-=1
```

```
<checkRuleBacktrackFailure()>
```

```
>>
```

```
/** ids+=r */
```

```
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
```

```
<ruleRef(...)>
```

```

<listLabel(elem=label,...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope)
 ::= <<
<if(label)>
val <label>Start<elementIndex> = getCharIndex()
val <label>StartLine<elementIndex> = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">)
<checkRuleBacktrackFailure()>
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">)
<checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
val <label>Start<elementIndex> = getCharIndex()
val <label>StartLine<elementIndex>
 = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
`match`(EOF)
<checkRuleBacktrackFailure()>
val <label> = new <labelType>(input, EOF, Token.DEFAULT_CHANNEL, <label>Start<elementIndex>,
getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
`match`(EOF)

```

```

<checkRuleBacktrackFailure(>
<endif>
>>

// used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg(>"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg(> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name)  ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
    enclosingTreeLevel, treeLevel) ::= <<
<root:element(>
<actionsAfterRoot:element(>
<if(nullableChildList)>
if
( input.LA(1)==Token.DOWN ) {
`match`(input, Token.DOWN, null)
<checkRuleBacktrackFailure(>
<children:element(>
`match`(input, Token.UP, null)
<checkRuleBacktrackFailure(>
}
<else>
`match`(input, Token.DOWN, null)
<checkRuleBacktrackFailure(>
<children:element(>
`match`(input, Token.UP, null)
<checkRuleBacktrackFailure(>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if ( !(<evalPredicate(...)> ) ) {
<ruleBacktrackFailure(>
throw new FailedPredicateException(input, "<ruleName>", "<description>")
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<n>

```

```

<edges; separator="\nelse ">
else {
<if(eotPredictsAlt)>
  alt<decisionNumber>=<eotPredictsAlt>
<else>
  <ruleBacktrackFailure()>
  val nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input)<\n>
  <@noViableAltException()>
  throw nvae<\n>
<endif>
}
>>

```

```

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<\n>
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>
else {
  alt<decisionNumber>=<eotPredictsAlt>
}<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>"

```

```

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may

```

```

* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif>) {
    <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
<edges; separator="\n">
case _ =>
<if(eotPredictsAlt)>
    alt<decisionNumber>=<eotPredictsAlt>
<else>
    <ruleBacktrackFailure()>
    val nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input)<\n>
    <@noViableAltException()>
    throw nvae<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
    <edges; separator="\n">
    case _ =>
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
<edges; separator="\n"><\n>
case _ =>
<if(eotPredictsAlt)>
    alt<decisionNumber>=<eotPredictsAlt>;
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
case <labels:{it | <it>}>; separator=" | "> =>
{

```

```

    <targetState>
    }
>>

//
Cyclic DFA

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input)
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
val DFA<dfa.decisionNumber>_eotS =
    "<dfa.javaCompressedEOT; wrap=\""+\n  \>"
val DFA<dfa.decisionNumber>_eofS =
    "<dfa.javaCompressedEOF; wrap=\""+\n  \>"
val DFA<dfa.decisionNumber>_minS =
    "<dfa.javaCompressedMin; wrap=\""+\n  \>"
val DFA<dfa.decisionNumber>_maxS =
    "<dfa.javaCompressedMax; wrap=\""+\n  \>"
val DFA<dfa.decisionNumber>_acceptS =
    "<dfa.javaCompressedAccept; wrap=\""+\n  \>"
val DFA<dfa.decisionNumber>_specialS =
    "<dfa.javaCompressedSpecial; wrap=\""+\n  \>>"
val DFA<dfa.decisionNumber>_transitionS: Array[String] = Array(
    <dfa.javaCompressedTransition:{s|<s; wrap=\""+\n\>"}; separator=",\n">
)

val DFA<dfa.decisionNumber>_eot: Array[Short] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eotS)
val DFA<dfa.decisionNumber>_eof: Array[Short] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eofS)
val DFA<dfa.decisionNumber>_min: Array[Char] =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS)
val DFA<dfa.decisionNumber>_max: Array[Char] =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS)
val DFA<dfa.decisionNumber>_accept: Array[Short] =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_acceptS)

```

```

val
  DFA<dfa.decisionNumber>_special: Array[Short] =
  DFA.unpackEncodedString(DFA<dfa.decisionNumber>_specialS)
val DFA<dfa.decisionNumber>_transition = new
  Array[Array[Short]](DFA<dfa.decisionNumber>_transitionS.length)

for (i \<- DFA<dfa.decisionNumber>_transition.indices) {
  DFA<dfa.decisionNumber>_transition(i) =
  DFA.unpackEncodedString(DFA<dfa.decisionNumber>_transitionS(i))
}

class DFA<dfa.decisionNumber> extends DFA {

  def this(recognizer: BaseRecognizer) = {
    this()
    this.recognizer = recognizer
    this.decisionNumber = <dfa.decisionNumber>
    this.eot = DFA<dfa.decisionNumber>_eot
    this.eof = DFA<dfa.decisionNumber>_eof
    this.min = DFA<dfa.decisionNumber>_min
    this.max = DFA<dfa.decisionNumber>_max
    this.accept = DFA<dfa.decisionNumber>_accept
    this.special = DFA<dfa.decisionNumber>_special
    this.transition = DFA<dfa.decisionNumber>_transition
  }
  override
  def getDescription = "<dfa.description>"
  <@errorMethod()>
  <if(dfa.specialStateSTs)>
  @throws(classOf[NoViableAltException])
  override def specialStateTransition(s: Int, _input: IntStream):Int = {
    <if(LEXER)>
    val input = _input
    <endif>
    <if(PARSER)>
    val input = _input.asInstanceOf[TokenStream]
    <endif>
    <if(TREE_PARSER)>
    val input = _input.asInstanceOf[TreeNodeStream]
    <endif>
    val _s = s
    s match {
      <dfa.specialStateSTs:{ state |
      case <i0> => <! compressed special state numbers 0..n-1 !>
        <state>}; separator="\n">
      case _ =>
      }
    }
  }
  <if(backtracking)>

```

```

    if (state.backtracking>0) {state.failed=true; return -1}<\n>
<endif>
    val nvae = new NoViableAltException(getDescription(), <dfa.decisionNumber>, _s, input)
    error(nvae)
    throw nvae
}<\n>
<endif>
}<\n>
>>

```

```

/** A state in a cyclic DFA; it's a special
state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber>: Int = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
val index<decisionNumber>_<stateNumber>: Int = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if ( s>=0 ) return s
>>

```

```

/** Just like a fixed DFA edge, test the lookahead and indicate what
* state to jump to next if successful.
*/
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ( (<labelExpr> <if(predicates)>&& (<predicates>)<endif> ) { s = <targetStateNumber> }<\n>
>>

```

```

/** An edge pointing at end-of-token; essentially matches any char;
* always jump to the target.
*/
eotDFAEdge(targetStateNumber,edgeNumber,
predicates) ::= <<
s = <targetStateNumber><\n>
>>

```

// D F A E X P R E S S I O N S

```
andPredicates(left,right) ::= "(<left>&&<right>)"
```



```

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(pred,\\|\\>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >=<lower>
&& input.LA(<k>) \<= <upper>)"

setTest(ranges)
::= "<ranges; separator=\\|\\>"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
class <scope.name>_scope {
  <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\n">
}
val <scope.name>_stack = new collection.mutable.Stack[<scope.name>_scope]<\n>
<endif>
>>

ruleAttributeScope(scope) ::= <<
<if(scope.attributes)>
class <scope.name>_scope {
  <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\n">
}
val <scope.name>_stack = new collection.mutable.Stack[<scope.name>_scope]<\n>
<endif>
>>

returnStructName(r) ::= "<r.name>_return"

returnType() ::= <<

```

```

<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
Unit
<endif>
<endif>
>>

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
Unit
<endif>
<endif>
>>

delegateName(d)
::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<scalaTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
var <label.label.text>: <ruleLabelType(referencedRule=label.referencedRule)> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))><\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 * TODO(matthewlloyd): make this static

```

```

*/
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
final
class <ruleDescriptor:returnStructName()> extends
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope {
  <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\n">
  <@ruleReturnMembers()>
}
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it | <it.name>: <it.type>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>"

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack(<scope>_stack.size-<negIndex>-1).<attr.name>
<else>
<if(index)>
<scope>_stack(<index>).<attr.name>
<else>
<scope>_stack.top.<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack(<scope>_stack.size-<negIndex>-1).<attr.name> = <expr>
<else>
<if(index)>
<scope>_stack(<index>).<attr.name> = <expr>
<else>
<scope>_stack.top.<attr.name> = <expr>
<endif>
<endif>
%>

/** $x is either
  global scope or x is rule with dynamic scope; refers
  * to stack itself not top of stack. This is useful for predicates
  * like {$function.size()>0 && $function::name.equals("foo")}?
*/

```

```

isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(if (<scope>!=null) <scope>.<attr.name> else <initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>
<else>
<attr.name> =<expr>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

//
not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(if (<scope>!=null) <scope>.getText() else null)"
tokenLabelPropertyRef_type(scope,attr) ::= "(if (<scope>!=null) <scope>.getType() else 0)"
tokenLabelPropertyRef_line(scope,attr) ::= "(if (<scope>!=null) <scope>.getLine() else 0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(if (<scope>!=null) <scope>.getCharPositionInLine() else 0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(if (<scope>!=null) <scope>.getChannel() else 0)"
tokenLabelPropertyRef_index(scope,attr) ::= "(if (<scope>!=null) <scope>.getTokenIndex() else 0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(if (<scope>!=null) Integer.valueOf(<scope>.getText()) else 0)"

ruleLabelPropertyRef_start(scope,attr) ::= "(if (<scope>!=null) <scope>.start.asInstanceOf[<labelType>] else null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "(if (<scope>!=null) <scope>.stop.asInstanceOf[<labelType>])"

```

```

else null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "(if (<scope>!=null) <scope>.tree.asInstanceOf[<ASTLabelType>] else
null)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(if (<scope>!=null) (input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start))) else null)
<else>
(if (<scope>!=null) input.toString(<scope>.start,<scope>.stop) else null)
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "(if (<scope>!=null) <scope>.st else null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
"(if (<scope>!=null) <scope>.getType() else 0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=
"(if (<scope>!=null) <scope>.getLine() else 0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
"(if (<scope>!=null) <scope>.getCharPositionInLine() else -1)"
lexerRuleLabelPropertyRef_channel(scope,attr)
::=
"(if (<scope>!=null) <scope>.getChannel() else 0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
"(if (<scope>!=null) <scope>.getTokenIndex() else 0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
"(if (<scope>!=null) <scope>.getText() else null)"
lexerRuleLabelPropertyRef_int(scope,attr) ::=
"(if (<scope>!=null) Integer.valueOf(<scope>.getText()) else 0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "(retval.start.asInstanceOf[<labelType>])"
rulePropertyRef_stop(scope,attr) ::= "(retval.stop.asInstanceOf[<labelType>])"
rulePropertyRef_tree(scope,attr) ::= "(retval.tree.asInstanceOf[<ASTLabelType>])"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr)

```

```

::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "Integer.valueOf(<scope>.getText())"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
if
( <actions.(actionScope).synpredgate> ) {
<action>
}
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
val <name> = new BitSet(Array[Long](<words64:{it | <it>L};separator=",">))<\n>
>>

codeFileExtension() ::= ".scala"

true_value() ::= "true"
false_value() ::= "false"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/Scala/Scala.stg
No license file was found, but licenses were detected in source scan.

/*

```

```

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* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/** Template overrides to add debugging to normal Java output;
* If ASTs are built, then you'll also get ASTDbg.stg loaded.
*/

@outputFile.imports() ::= <<
<@super.imports(>
using Antlr.Runtime.Debug;
using IOException = System.IO.IOException;
>>

@genericParser.members() ::= <<
<if(grammar.grammarIsRoot)>
public
static readonly string[] ruleNames =
new string[]
{
"invalidRule", <grammar.allImportedRules: {rST | "<rST.name>"}; wrap="\n ", separator=", ">

```

```

};<\n>
<endif>
<if(grammar.grammarIsRoot)><! grammar imports other grammar(s) !>
int ruleLevel = 0;
public virtual int RuleLevel { get { return ruleLevel; } }
public virtual void IncRuleLevel() { ruleLevel++; }
public virtual void DecRuleLevel() { ruleLevel--; }
<if(profile)>
<ctorForProfilingRootGrammar()>
<else>
<ctorForRootGrammar()>
<endif>
<ctorForPredefinedListener()>
<else><! imported grammar !>
public int RuleLevel { get { return <grammar.delegators:{g| <g:delegateName()>>.RuleLevel; } } }
public void IncRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>.IncRuleLevel(); } }
public void DecRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>.DecRuleLevel(); } }
<ctorForDelegateGrammar()>
<endif>
<if(profile)>
public override bool AlreadyParsedRule( IIntStream
input, int ruleIndex )
{
int stopIndex = GetRuleMemoization(ruleIndex, input.Index);
((Profiler)dbg).ExamineRuleMemoization(input, ruleIndex, stopIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
return base.AlreadyParsedRule(input, ruleIndex);
}<\n>
public override void Memoize( IIntStream input, int ruleIndex, int ruleStartIndex )
{
((Profiler)dbg).Memoize(input, ruleIndex, ruleStartIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
base.Memoize(input, ruleIndex, ruleStartIndex);
}<\n>
<endif>
protected virtual bool EvalPredicate( bool result, string predicate )
{
dbg.SemanticPredicate( result, predicate );
return result;
}<\n>
>>

ctorForRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<! Same except we add port number and profile stuff if root grammar !>
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input )
: this( input, DebugEventSocketProxy.DefaultDebuggerPort,

```



```

new RecognizerSharedState() )
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>( <InputStreamType> input, int port,
RecognizerSharedState state )
: base( input, state )
{
<createListenerAndHandshake()>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>( input, dbg, this.state,
this<grammar.delegates:{g|, <g:delegateName()>}> );}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

ctorForProfilingRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<actions.(actionScope).ctorModifier; null="public"> <name>( <InputStreamType> input )
: this( input, new Profiler(null), new RecognizerSharedState() )
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>( <InputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state )
: base( input, dbg, state )
{
Profiler p = (Profiler)dbg;
p.setParser(this);
<grammar.directDelegates:
{g|<g:delegateName()>
= new <g.recognizerName>( input, dbg, this.state, this<grammar.delegates:{g|, <g:delegateName()>}> );};
separator="\n">
<parserCtorBody()>
<@finally()>
}
<\n>
>>

/** Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>( <InputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state<grammar.delegates:{g|, <g.recognizerName> <g:delegateName()>}> )
: base( input, dbg, state )
{
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>( input, this, this.state<grammar.delegates:{g|,
<g:delegateName()>}> );}; separator="\n">
<parserCtorBody()>
}<\n>

```

```

>>

ctorForPredefinedListener() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>( <inputStreamType> input, IDebugEventListener dbg
)
<@superClassRef>: base( input, dbg, new RecognizerSharedState() )<@end>
{
<if(profile)>
Profiler p = (Profiler)dbg;
p.setParser(this);
<endif>
<grammar.directDelegates:{g|<g:delegateName()>
= new <g.recognizerName>(input, dbg, this.state, this<grammar.delegates:{g|, <g:delegateName()>}>);};
separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

createListenerAndHandshake() ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port, input.TreeAdaptor );<\n>
<else>
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port, null );<\n>
<endif>
DebugListener = proxy;
try
{
proxy.Handshake();
}
catch ( IOException ioe )
{
ReportError( ioe );
}
>>

@genericParser.superClassName() ::= "Debug<@super.superClassName()>"

/*
* Much of the following rules were merged into CSharp3.stg.
*/

@rule.preamble() ::= <<
if (RuleLevel == 0)
DebugListener.Commence();
IncRuleLevel();
>>
//@rule.preamble() ::= <<

```

```

//try
//{
// dbg.EnterRule( GrammarFileName, "<ruleName>" );
// if ( RuleLevel == 0 )
// {
//   dbg.Commence();
// }
// IncRuleLevel();
// dbg.Location(
  <ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine> );<\n>
//>>

@rule.postamble() ::= <<
DecRuleLevel();
if (RuleLevel == 0)
  DebugListener.Terminate();
>>
//@rule.postamble() ::= <<
//dbg.Location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>
//}
//finally
//{
// dbg.ExitRule( GrammarFileName, "<ruleName>" );
// DecRuleLevel();
// if ( RuleLevel == 0 )
// {
//   dbg.Terminate();
// }
//}<\n>
//>>

//@insertSynpreds.start() ::= "dbg.BeginBacktrack( state.backtracking );"
//@insertSynpreds.stop() ::= "dbg.EndBacktrack( state.backtracking, success );"

// Common debug event triggers used by region overrides below

//enterSubRule() ::= <<
//try
//{
// dbg.EnterSubRule( <decisionNumber> );<\n>
//>>

//exitSubRule() ::= <<
//}
//finally
//{
// dbg.ExitSubRule( <decisionNumber> );
//}<\n>

```

```

//>>

//enterDecision() ::= <<
//try
//{
// dbg.EnterDecision(
// <decisionNumber> );<\n>
//>>

//exitDecision() ::= <<
//}
//finally
//{
// dbg.ExitDecision( <decisionNumber> );
//}<\n>
//>>

//enterAlt(n) ::= "dbg.EnterAlt( <n> );<\n>"

// Region overrides that tell various constructs to add debugging triggers

//@block.predecision() ::= "<enterSubRule()><enterDecision()>"

//@block.postdecision() ::= "<exitDecision()>"

//@block.postbranch() ::= "<exitSubRule()>"

//@ruleBlock.predecision() ::= "<enterDecision()>"

//@ruleBlock.postdecision() ::= "<exitDecision()>"

//@ruleBlockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

//@blockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

//@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

//@positiveClosureBlock.postloop() ::= "<exitSubRule()>"

//@positiveClosureBlock.predecision() ::= "<enterDecision()>"

//@positiveClosureBlock.postdecision() ::= "<exitDecision()>"

//@positiveClosureBlock.earlyExitException() ::=
// "dbg.RecognitionException( eee<decisionNumber>
// );<\n>"

//@closureBlock.preloop() ::= "<enterSubRule()>"

```

```

//@closureBlock.postloop() ::= "<exitSubRule(>"

//@closureBlock.predecision() ::= "<enterDecision(>"

//@closureBlock.postdecision() ::= "<exitDecision(>"

//@altSwitchCase.preal() ::= "<enterAlt(n=i)>"

//@element.prematch() ::=
// "dbg.Location( <it.line>, <it.pos> );"

//@matchSet.mismatchedSetException() ::=
// "dbg.RecognitionException( mse );"

//@dfaState.noViableAltException() ::= "dbg.RecognitionException( nvae );"

//@dfaStateSwitch.noViableAltException() ::= "dbg.RecognitionException( nvae );"

dfaDecision(decisionNumber,description) ::= <<
//try
//{
// isCyclicDecision = true;
// <super.dfaDecision(...)>
//}
//catch ( NoViableAltException nvae )
//{
// dbg.RecognitionException( nvae );
// throw nvae;
//}
//>>

@cyclicDFA.errorMethod() ::= <<
//public override void Error( NoViableAltException nvae )
//{
// ((DebugParser)recognizer).dbg.RecognitionException( nvae );
//}
//>>

/**
Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
EvalPredicate(<pred>, "<description>")
>>

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp3/Dbg.stg

```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
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```

```
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```

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```
*/
```

```
group AST;
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports()>
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<@super.members()>
```

```
<parserMembers()>
```

```
>>
```

```
/** Add an adaptor property that knows how to build trees */
```

```
parserMembers() ::= <<
```

```
<!protected TreeAdaptor adaptor = new CommonTreeAdaptor();<\n>!>
```

```
setTreeAdaptor: function(adaptor) {
```

```
    this.adaptor = adaptor;
```

```
    <grammar.directDelegates: {g|<g:delegateName()>.setTreeAdaptor(this.adaptor);}>
```

```
},
```

```

getTreeAdaptor:
function() {
    return this.adaptor;
},
>>

@returnScope.ruleReturnMembers() ::= <<
getTree: function() { return this.tree; }
>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
var root_0 = null;<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels:{var <it.label.text>_tree=null;}; separator="\n">
<ruleDescriptor.tokenListLabels:{var <it.label.text>_tree=null;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
    :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleTokenStream(this.adaptor,"token <it>");};
separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
    :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"rule <it>");};
separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could
 * have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = this.adaptor.nil();<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<

```

```

<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate>
) <endif>stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule.name>.add(<label>.getTree());
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>stream_<rule>.add(<label>.getTree());
>>

/**

```



```

^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem=label+".getTree()",...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {<n>
<endif>
<prevRuleRootRef(>).tree = root_0;
<rewriteCodeLabels(>
root_0
= this.adaptor.nil();
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>).tree = this.adaptor.rulePostProcessing(root_0);
this.input.replaceChildren(this.adaptor.getParent(retval.start),
this.adaptor.getChildIndex(retval.start),
this.adaptor.getChildIndex(_last),
retval.tree);
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>).tree = root_0;
<else>

```

```

<if(!rewriteMode)>
<prevRuleRootRef(>.tree = root_0;
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRule<rewriteElementType>Stream(this.adaptor,"token
<it>",<it>)};
  separator="\n"
>
<referencedTokenListLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRule<rewriteElementType>Stream(this.adaptor,"token
<it>",<it>",<it>)};
  separator="\n"
>
<referencedWildcardLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"wildcard <it>",<it>)};
  separator="\n"
>
<referencedWildcardListLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"wildcard <it>",<it>",<it>)};
  separator="\n"
>
<referencedRuleLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"token
<it>",<it>!=null?<it>.tree:null)};
  separator="\n"
>
<referencedRuleListLabels
  :{var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"token <it>",<it>",<it>)};
  separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements,
// elements in immediately block; no nested blocks
description) ::=

```

```

<<
// <fileName>:<description>
if ( <referencedElementsDeep:{el | stream_<el>.hasNext()}; separator="||"> ) {
  <alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
// <fileName>:<description>
while ( <referencedElements:{el | stream_<el>.hasNext()}; separator="||"> ) {
  <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description) ::=
<<
if ( !( <referencedElements:{el | stream_<el>.hasNext()}; separator="||"> ) ) {
  throw new org.antlr.runtime.tree.RewriteEarlyExitException();
}
while
( <referencedElements:{el | stream_<el>.hasNext()}; separator="||"> ) {
  <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
  <a.alt>
}<\n>
<else>
{
  <a.alt>
}<\n>
<endif>

```

```

>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
var root_<treeLevel> = this.adaptor.nil();
<root:rewriteElement()>
<children:rewriteElement()>
this.adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
this.adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined
via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<

```

```

root_<treeLevel> = this.adaptor.becomeRoot(<createRewriteNodeFromElement(...)>, root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex)
::= <<
root_<treeLevel> = this.adaptor.becomeRoot(<createImaginaryNode(tokenType=token, ...)>,
root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
this.adaptor.addChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel>
= this.adaptor.becomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */

```

```

rewriteRuleListLabelRef(label) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<!
new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=", "><endif>)
<else>
this.adaptor.create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>)
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=", "><endif>)
<else>
<if(args)> <! must create new node from old !>
this.adaptor.create(<token>, <args; separator=", ">)
<else>
stream_<token>.nextNode()
<endif>
<endif>
>>

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/JavaScript/AST.stg
No license file was found, but licenses were detected in source scan.

/*
* [The "BSD license"]
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```

```

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*/

/** Template overrides to add debugging to AST stuff. Dynamic inheritance
* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.
*/

```

```

parserMembers() ::= <<
protected DebugTreeAdaptor adaptor;

public ITreeAdaptor TreeAdaptor
{
    get
    {
        return adaptor;
    }
    set
    {
        <if(grammar.grammarIsRoot)>
            this.adaptor
            = new DebugTreeAdaptor(dbg,adaptor);
        <else>
            this.adaptor = (DebugTreeAdaptor)adaptor; // delegator sends dbg adaptor
        </if>
    }
}

```

```

<endif><\n>
  <grammar.directDelegates: { g|<g:delegateName()>.TreeAdaptor = this.adaptor; }>
  }
}<\n>
>>

```

```

parserCtorBody() ::= <<
<super.parserCtorBody()>
>>

```

```

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy = new DebugEventSocketProxy( this, port,
<if(TREE_PARSER)>input.TreeAdaptor<else>adaptor<endif> );
DebugListener = proxy;
<inputStreamType> = new Debug<inputStreamType>( input, proxy );
try
{
  proxy.Handshake();
}
catch ( IOException ioe )
{
  ReportError( ioe );
}
>>

```

```

@ctorForRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
proxy.TreeAdaptor = adap;
>>

```

```

@ctorForProfilingRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
>>

```

```

@ctorForPredefinedListener.superClassRef() ::= " : base( input, dbg )"

```

```

@ctorForPredefinedListener.finally()
::=<<
<if(grammar.grammarIsRoot)><! don't create new adaptor for delegates !>
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;<\n>
<endif>
>>

```

```

//@rewriteElement.pregen() ::= "dbg.Location( <e.line>, <e.pos> );"

```


Found in path(s):

```
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-  
jar/org/antlr/codegen/templates/CSharp2/ASTDbg.stg
```

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```

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```
*/
```

```
/** Templates for building ASTs during tree parsing.
```

```
*
```

```
* Deal with many combinations. Dimensions are:
```

```
* Auto build or rewrite
```

```
* no label, label, list label (label/no-label handled together)
```

```
* child, root
```

```
* token, set, rule, wildcard
```

```
*
```

```
* Each combination has its own template except that label/no label
```

```
* is
```

```
combined into tokenRef, ruleRef, ...
```

```
*/
```

```

group ASTTreeParser;

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
_First[0] := nil;
_Last := nil;<\n>
>>

ruleDeclarationVars() ::= <<
<super.ruleDeclarationVars()>
_First, _Save_Last: array [0..63] of I<ASTLabelType>;
_Last: I<ASTLabelType>;
>>

/** What to emit when there is no rewrite rule. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(backtracking)>if (State.Backtracking = 0) then
begin<endif>
<if(rewriteMode)>
RetVal.Tree := _First[0] as I<ASTLabelType>;
if (Adaptor.GetParent(RetVal.Tree) \<\> nil) and (Adaptor.IsNil(Adaptor.GetParent(RetVal.Tree))) then
RetVal.Tree := Adaptor.GetParent(RetVal.Tree) as I<ASTLabelType>;
<endif>
<if(backtracking)>end;<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children,
nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
begin
_Save_Last[<treeLevel>] := _Last;
_First[<treeLevel>] := nil;
<if(!rewriteMode)>
Root[<treeLevel>] := Adaptor.GetNilNode as I<ASTLabelType>;<\n>
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>
<if(root.el.rule)>
if (_First[<enclosingTreeLevel>] = nil) then _First[<enclosingTreeLevel>] := <root.el.label>.Tree;
<else>

```

```

if (_First[<enclosingTreeLevel>] = nil) then _First[<enclosingTreeLevel>] := <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (Input.LA(1) = TToken.DOWN) then
begin
  Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
  <children:element()>
  Match(Input, TToken.UP, nil); <checkRuleBacktrackFailure()>
end;
<else>
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input,
TToken.UP, nil); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
Adaptor.AddChild(Root[<enclosingTreeLevel>], Root[<treeLevel>]);
<endif>
_Last := _Save_Last[<treeLevel>];
end;<\n>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>

```

```

Adaptor.AddChild(Root[<treeLevel>], <label>_tree);
<if(backtracking)>
end;
<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (State.Backtracking
= 0) then <endif>
if (_First[<treeLevel>] = nil) then _First[<treeLevel>] := <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Root[<treeLevel>] := Adaptor.BecomeRoot(<label>_tree, Root[<treeLevel>]) as I<ASTLabelType>;
<if(backtracking)>
end;
<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

//
SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<

```

```

_Last := Input.LT(1) as I<ASTLabelType>;
<super.matchSet(..., postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then begin <endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Adaptor.AddChild(Root[<treeLevel>], <label>_tree);
<if(backtracking)>end;<endif>
<endif>
}
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite()> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(..., postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking
= 0) then begin <endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Root[<treeLevel>] := Adaptor.BecomeRoot(<label>_tree, Root[<treeLevel>]) as I<ASTLabelType>;
<if(backtracking)>end;<endif>
<endif>
}
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;

```

```

<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>
<if(!rewriteMode)>
Adaptor.AddChild(Root[<treeLevel>], <label>.Tree);
<else> <! rewrite mode !>
if (_First[<treeLevel>] = nil) then _First[<treeLevel>] := <label>.Tree;
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_Last
:= Input.LT(1) as I<ASTLabelType>;
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Root[<treeLevel>] :=
Adaptor.BecomeRoot(<label>.Tree, Root[<treeLevel>]) as I<ASTLabelType>;
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.ruleRefRootTrack(...)>

```

```

>>

/**
  ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
  _Last := Input.LT(1) as I<ASTLabelType>;
  <super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
  <if(terminalOptions.node)>
  T<terminalOptions.node>.Create((Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode)
  <else>
  (Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode
  <endif>
>>

ruleCleanUp() ::= <<
  <super.ruleCleanUp()>
  <if(!rewriteMode)>
  <if(backtracking)>
  if (State.Backtracking = 0) then
  begin<\n>
  <endif>
  RetVal.Tree := Adaptor.RulePostProcessing(Root[0]) as I<ASTLabelType>;
  <if(backtracking)>
  end;
  <endif>
  <endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/Delphi/ASTTreeParser.stg

```

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*/

```

Found in path(s):

```

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```

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*/

```

```

csharpVisibilityMap ::= [
  "private":"private",
  "protected":"protected",
  "public":"public",
  "fragment":"private",
  default:"private"
]

```

```

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/

```

```

outputFile( LEXER,PARSER,TREE_PARSER,
  actionScope, actions,
  docComment, recognizer,
  name, tokens, tokenNames, rules, cyclicDFAs,
  bitsets, buildTemplate, buildAST, rewriteMode, profile,
  backtracking, synpreds, memoize, numRules,
  fileName, ANTLRVersion, generatedTimestamp, trace,
  scopes, superClass, literals) ::=

```

```

<<
//-----
// \<auto-generated>
//   This code was generated by a tool.
//   ANTLR Version: <ANTLRVersion>
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// \</auto-generated>
//-----

```

```

// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

```

```

<if(trace)>
#define ANTLR_TRACE
<endif>
<@debugPreprocessor()>
// The variable 'variable' is assigned but its value is never used.
#pragma warning disable 168, 219
// Unreachable code detected.

```

```

#pragma warning
  disable 162
// Missing XML comment for publicly visible type or member 'Type_or_Member'
#pragma warning disable 1591

<actions.(actionScope).header>

<@imports>
using System.Collections.Generic;
using Antlr.Runtime;
using Antlr.Runtime.Misc;
<if(TREE_PARSER)>
using Antlr.Runtime.Tree;
using RewriteRuleTokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
using ConditionalAttribute = System.Diagnostics.ConditionalAttribute;
<@end>
<if(actions.(actionScope).namespace)>
namespace <actions.(actionScope).namespace>
{
<endif>
<docComment>
<recognizer>
<if(actions.(actionScope).namespace)>

} // namespace <actions.(actionScope).namespace>
<endif>
>>

lexerInputStreamType() ::= <<
<actions.(actionScope).inputStreamType; null="ICharStream">
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
superClass={ <if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Lexer
<endif>})
::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<tokens: {it|public const int <it.name; format="id">=<it.type>;}; separator="\n">
<scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<actions.lexer.members>

// delegates
<grammar.delegates:

```

```

    {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
// delegators
<grammar.delegators:
    {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
<last(grammar.delegators):{g|private <g.recognizerName> gParent;}>

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<! needed by subclasses !>
{
    OnCreated();
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(>
input<grammar.delegators:{g|,
<g.recognizerName> <g.delegateName(>}&> )
: this(input, new RecognizerSharedState(<grammar.delegators:{g|, <g.delegateName(>}&>))
{
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(> input,
RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName(>}&>))
: base(input, state)
{
<if(memoize)>
<if(grammar.grammarIsRoot)>
    state.ruleMemo = new System.Collections.Generic.Dictionary<int, int>[<numRules>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.directDelegates:
    {g|<g.delegateName(> = new <g.recognizerName>(input, this.state<trunc(g.delegators):{p|,
<p.delegateName(>}&>, this);}; separator="\n">
<grammar.delegators:
    {g|this.<g.delegateName(> = <g.delegateName(>};}; separator="\n">
<last(grammar.delegators):{g|gParent = <g.delegateName(>};}>

    OnCreated();
}
public override string GrammarFileName { get { return "<fileName>"; }
}

private static readonly bool[] decisionCanBacktrack = new bool[0];

<if(grammar.hasDelegates)>
public override <lexerInputStreamType(> CharStream
{
    get
    {
        return base.CharStream;
    }
}

```

```

set
{
    base.CharStream = value;
    <grammar.directDelegates:
    {g|<g:delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p:delegateName()>},
this);}; separator="\n">
    <grammar.delegators:
    {g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
    <last(grammar.delegators):{g|gParent = <g:delegateName()>;}>
    }
}

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
    base.SetState(state);
    <grammar.delegates:{g|<g:delegateName()>.SetState(state);}; separator="\n">
}
<endif>

<endif>
<if(filterMode)>
<filteringNextToken()>
<endif>

[Conditional("ANTLR_TRACE")]
protected virtual void OnCreated() {}
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule(string
ruleName, int ruleIndex) {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule(string ruleName, int ruleIndex) {}

    <rules; separator="\n">

<insertLexerSynpreds(synpreds)>

#region DFA
<cyclicDFAs:{ dfa | DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

protected override void InitDFAs()
{
    base.InitDFAs();
    <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>;);}; separator="\n">
}

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

```

```

#endregion

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
public
override IToken NextToken()
{
while (true)
{
if (input.LA(1) == CharStreamConstants.EndOfFile)
{
IToken eof = new CommonToken((ICharStream)input, CharStreamConstants.EndOfFile, TokenChannels.Default,
input.Index, input.Index);
eof.Line = Line;
eof.CharPositionInLine = CharPositionInLine;
return eof;
}
state.token = null;
state.channel = TokenChannels.Default;
state.tokenStartCharIndex = input.Index;
state.tokenStartCharPositionInLine = input.CharPositionInLine;
state.tokenStartLine = input.Line;
state.text = null;
try
{
int m = input.Mark();
state.backtracking=1;<! means we won't throw slow exception !>
state.failed=false;
mTokens();
state.backtracking=0;
<! mTokens backtracks with synpred at backtracking==2
and we set the synpredgate to allow actions at level 1. !>
if (state.failed)
{
input.Rewind(m);
input.Consume();<! advance one char and try again !>
}
else
{
Emit();

```

```

        return
state.token;
    }
}
catch (RecognitionException re)
{
    // shouldn't happen in backtracking mode, but...
    ReportError(re);
    Recover(re);
}
}
}

public override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
    if (state.backtracking > 1)
        base.Memoize(input, ruleIndex, ruleStartIndex);
}

public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)
{
    if (state.backtracking > 1)
        return base.AlreadyParsedRule(input, ruleIndex);

    return false;
}
>>

actionGate() ::= "state.backtracking == 0"

filteringActionGate() ::= "state.backtracking == 1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
    bitsets, inputStreamType, superClass,
    labelType, members, rewriteElementType,
    filterMode, ASTLabelType="object") ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar,
actions=actions)> partial class <grammar.recognizerName> : <@superClassName><superClass><@end>
{
<if(grammar.grammarIsRoot)>
    internal static readonly string[] tokenNames = new string[] {
        "<invalid>", "<EOR>", "<DOWN>", "<UP>", <tokenNames; separator=", ">
    };
<endif>
    <tokens:{it|public const int <it.name; format="id">=<it.type>;}; separator="\n">

```

```

<if(grammar.delegates)>
// delegates
<grammar.delegates:
  {g|private <g.recognizerName> <g.delegateName(>); separator="\n">
<endif>
<if(grammar.delegators)>
// delegators
<grammar.delegators:
  {g|private <g.recognizerName> <g.delegateName(>); separator="\n">
<last(grammar.delegators):{g|private <g.recognizerName> gParent;}>
<endif>

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
  base.SetState(state);
  <grammar.delegates:{g|<g.delegateName(>.SetState(state);}; separator="\n">
}

<if(TREE_PARSER)>
public
override void SetTreeNodeStream(ITreeNodeStream input)
{
  base.SetTreeNodeStream(input);
  <grammar.delegates:{g|<g.delegateName(>.SetTreeNodeStream(input);}; separator="\n">
}
<endif>
<endif>

<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<@members(>

public override string[] TokenNames { get { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; } }
public override string GrammarFileName { get { return "<fileName>"; } }

<members>

[Conditional("ANTLR_TRACE")]
protected virtual void OnCreated() {}
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule(string ruleName, int ruleIndex) {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule(string ruleName, int ruleIndex) {}

#region Rules
<rules; separator="\n">

```

```

#endregion Rules

<if(grammar.delegatedRules)>
<! generate rule/method definitions for imported rules so they
  appear to be defined in this recognizer. !>
#region
Delegated rules
<grammar.delegatedRules:{ ruleDescriptor|
  <ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <return Type(ruleDescriptor)>
  <ruleDescriptor.name; format="id"><ruleDescriptor.parameterScope:parameterScope()> <!throws
  RecognitionException !>{ <if(ruleDescriptor.hasReturnValue)>return
  <endif><ruleDescriptor.grammar.delegateName()>.<ruleDescriptor.name;
  format="id"><ruleDescriptor.parameterScope.attributes:{ a|<a.name; format="id">}; separator=", ">}; \}};
  separator="\n">
#endregion Delegated rules
<endif>

<insertSynpreds(synpreds)>

<if(cyclicDFAs)>
#region DFA
<cyclicDFAs:{ dfa | private DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

protected override void InitDFAs()
{
  base.InitDFAs();
  <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>( this<if(dfa.specialStateSTs)>,
  SpecialStateTransition<dfa.decisionNumber><endif> );}; separator="\n">
}

<cyclicDFAs:cyclicDFA()><! dump tables for all
DFA !>
#endregion DFA
<endif>

<if(bitsets)>
#region Follow sets
private static class Follow
{
  <bitsets:{ it|bitset(name={_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>}; separator="\n">
}
#endregion Follow sets
<endif>
}
>>

@genericParser.members() ::= <<
#if ANTLR_DEBUG

```



```

private static readonly bool[] decisionCanBacktrack =
    new bool[]
    {
        false, // invalid decision
        <grammar.decisions:{d | <d.dfa.hasSynPred>}; wrap="\n", separator=", ">
    };
#else
private static readonly bool[] decisionCanBacktrack = new bool[0];
#endif
<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName><(inputStreamType>
input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>>>
: this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>>>)
{
}
}
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName><(inputStreamType>
input, RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>>>)
: base(input, state)
{
<if(grammar.directDelegates)>
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>>},
this);}; separator="\n">
<endif>
<if(grammar.indirectDelegates)>
<grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegator.delegateName()>.<g.delegateName()>};
separator="\n">
<endif>
<if(grammar.delegators)>
<last(grammar.delegators):{g|gParent = <g.delegateName()>};>
<endif>
<parserCtorBody()>
    OnCreated();
}
>>

// imported grammars are 'public' (can't be internal because their return scope classes must be accessible)
parserModifier(grammar, actions) ::= <<
<if(grammar.grammarIsRoot)><actions.(actionScope).modifier; null="public"><else>public<endif>
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new System.Collections.Generic.Dictionary<int,
int>[<length(grammar.allImportedRules)>+1];<\n><!\n index from 1..n !>
<endif>
<endif>

```

```

<grammar.delegators:
{g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
    ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Parser.<
<endif>}, labelType="IToken",
    members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ITokenStream", rewriteElementType="IToken", ...)>
>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.
*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
    numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Tree.<
if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif><endif>},
    members={<actions.treeparser.members>}) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>_fragment() {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>_fragment() {}

// $ANTLR start <ruleName>
<ruleModifier(grammar,ruleDescriptor)> void
<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope()>)
{
    <ruleLabelDefs()>
    EnterRule_<ruleName>_fragment();
    EnterRule("<ruleName>_fragment",
    <ruleDescriptor.index>);
    TraceIn("<ruleName>_fragment", <ruleDescriptor.index>);
    try
    {

```

```

<block>
}
finally
{
  TraceOut("<ruleName>_fragment", <ruleDescriptor.index>);
  LeaveRule("<ruleName>_fragment", <ruleDescriptor.index>);
  LeaveRule_<ruleName>_fragment();
}
}
// $ANTLR end <ruleName>
>>

```

```

insertLexerSynpreds(synpreds) ::= <<
<insertSynpreds(synpreds)>
>>

```

```

insertSynpreds(synpreds) ::= <<
<if(synpreds)>
#region Synpreds
private bool EvaluatePredicate(System.Action fragment)
{
  bool success = false;
  state.backtracking++;
  <@start()>
  try { DebugBeginBacktrack(state.backtracking);
  int start = input.Mark();
  try
  {
    fragment();
  }
  catch ( RecognitionException re )
  {
    System.Console.Error.WriteLine("impossible: "+re);
  }
  success = !state.failed;
  input.Rewind(start);
  } finally {
  DebugEndBacktrack(state.backtracking, success); }
  <@stop()>
  state.backtracking--;
  state.failed=false;
  return success;
}
#endregion Synpreds
<endif>
>>

```

```

ruleMemoization(name) ::= <<

```

```

<if(memoize)>
if (state.backtracking > 0 && AlreadyParsedRule(input, <ruleDescriptor.index>)) { <returnFromRule()> }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnFromRule()><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) { state.failed=true; <returnFromRule()> }<endif>
>>

ruleWrapperMap ::= [
"bottomup":{<ruleWrapperBottomup()>},
"topdown":{<ruleWrapperTopdown()>},
default:""
]

ruleWrapperBottomup() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Bottomup() { return bottomup(); }
<endif>
>>

ruleWrapperTopdown()
::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Topdown() { return topdown(); }
<endif>
>>

/** How to generate code for a rule. This includes any return type
* data aggregates required for multiple return values.
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(ruleDescriptor.returnScope)>

[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>() { }
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>() { }
<ruleWrapperMap.(ruleName)>
// $ANTLR start "<ruleName>"
// <fileName>:<description>

```

```

[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <returnType(ruleDescriptor)> <ruleName>;
format="id">(<ruleDescriptor.parameterScope:parameterScope(>)
{
  EnterRule_<ruleName>();
  EnterRule("<ruleName>", <ruleDescriptor.index>);
  TraceIn("<ruleName>",
  <ruleDescriptor.index>;
  <ruleScopeSetUp(>
  <ruleDeclarations(>
  <ruleLabelDefs(>
  <ruleDescriptor.actions.init>
  try { DebugEnterRule(GrammarFileName, "<ruleName>");
  DebugLocation(<ruleDescriptor.tree.line>, <ruleDescriptor.EORNode.charPositionInLine>);
  <@preamble(>
  try
  {
    <ruleMemoization(name=ruleName)>
    <block>
    <ruleCleanUp(>
    <(ruleDescriptor.actions.after):execAction(>
  }
  <if(exceptions)>
  <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n> }>
  <else>
  <if(!emptyRule)>
  <if(actions.(actionScope).rulecatch)>
  <actions.(actionScope).rulecatch>
  <else>
  catch (RecognitionException re)
  {
    ReportError(re);
    Recover(input,re);
    <@setErrorReturnValue(>
  }
  <endif>
  <endif>
  <endif>
  finally
  {
    TraceOut("<ruleName>", <ruleDescriptor.index>;
    LeaveRule("<ruleName>", <ruleDescriptor.index>);
    LeaveRule_<ruleName>();
    <memoize(>
    <ruleScopeCleanUp(>
    <finally>
  }
  DebugLocation(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);

```

```

} finally { DebugExitRule(GrammarFileName, "<ruleName>"); }
<@postamble()>
<returnFromRule()><\n>
}
// $ANTLR end "<ruleName>"
>>

// imported grammars need to have internal rules
ruleModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>internal<endif>
>>

// imported grammars need to have public return scopes
returnScopeModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>public<endif>
>>

catch(decl,action) ::= <<
catch (<e.decl>)
{
<e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new <returnType(ruleDescriptor)>();
retval.Start = (<labelType>)input.LT(1);
<else>
<ruleDescriptor.returnScope.attributes: { a |
<a.type>
<a.name; format="id"> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.Index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it|<it>_stack.Push(new <it>_scope());<it>_scopeInit(<it>_stack.Peek());};
separator="\n">
<ruleDescriptor.ruleScope: { it|<it.name>_stack.Push(new
<it.name>_scope());<it.name>_scopeInit(<it.name>_stack.Peek());}; separator="\n">
>>

```

```

ruleScopeCleanup() ::= <<
<ruleDescriptor.useScopes:{it|<it>_scopeAfter(<it>_stack.Peek());<it>_stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope:{it|<it.name>_scopeAfter(<it.name>_stack.Peek());<it.name>_stack.Pop();};
separator="\n">
>>

```

```

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<ruleDescriptor.tokenListLabels
: {it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<[ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|List<<ASTLabelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:ruleLabelDef(); separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<[ruleDescriptor.charListLabels,
ruleDescriptor.charLabels]
: {it|int <it.label.text> = 0;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.charListLabels: {it|List<int> list_<it.label.text> = null;}; separator="\n"
>
>>

```

```

returnFromRule() ::= <%
return
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<!
This comment is a hack to make sure the following
single space appears in the output. !> <ruleDescriptor.singleValueReturnName>
<else>

```

```

<!!> retval
<endif>
<endif>
<endif>
;
%>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.Stop = (<labelType>)input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) { Memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<

[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>() {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>() {}

// $ANTLR start "<ruleName>"
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)>
void m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>>)
{
EnterRule_<ruleName>();
EnterRule("<ruleName>", <ruleDescriptor.index>);
TraceIn("<ruleName>", <ruleDescriptor.index>);
<ruleScopeSetUp(>
<ruleDeclarations(>
try
{
<if(nakedBlock)>
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs(>

```



```

    <ruleDescriptor.actions.init>
    <block>
<else>
    int _type = <ruleName>;
    int _channel = DefaultTokenChannel;
    <ruleMemoization(name=ruleName)>
    <lexerRuleLabelDefs()>
    <ruleDescriptor.actions.init>
    <block>
    <ruleCleanUp()>
    state.type = _type;
    state.channel = _channel;
    <(ruleDescriptor.actions.after):execAction()>
<endif>
}
finally
{
    TraceOut("<ruleName>", <ruleDescriptor.index>);
    LeaveRule("<ruleName>", <ruleDescriptor.index>);
    LeaveRule_<ruleName>();
    <ruleScopeCleanUp()>
    <memoize()>
}
}
// $ANTLR end "<ruleName>"
>>

/**
 * How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<

public override void mTokens()
{
    <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterSubRule(<decisionNumber>);

```

```

try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>)
{
<alts:{a|altSwitchCase(i,a)}>
}
} finally { DebugExitSubRule(<decisionNumber>); }
<@postbranch()>
>>

```

*/** A rule block with multiple alternatives */*

```

ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{a|altSwitchCase(i,a)}>
}
}
>>

```

```

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
DebugEnterAlt(1);
<alts>
<@postalt()>
>>

```

*/** A special case of a (...) subrule with a single alternative */*

```

blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
DebugEnterAlt(1);
<alts>
<@postalt()>
>>

```

```

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description)
 ::= <<
 // <fileName>:<description>
 int cnt<decisionNumber>=0;
 <decls>
 <@preloop()>
 try { DebugEnterSubRule(<decisionNumber>);
 while (true)
 {
 int alt<decisionNumber>=<maxAlt>;
 <@predecision()>
 try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
 <decision>
 } finally { DebugExitDecision(<decisionNumber>); }
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{a|<altSwitchCase(i,a)>}>
 default:
 if (cnt<decisionNumber> >= 1)
 goto loop<decisionNumber>;

 <ruleBacktrackFailure()>
 EarlyExitException eee<decisionNumber> = new EarlyExitException( <decisionNumber>, input );
 DebugRecognitionException(eee<decisionNumber>);
 <@earlyExitException()>
 throw eee<decisionNumber>;
 }
 cnt<decisionNumber>++;
 }
 loop<decisionNumber>;
 ;

 } finally { DebugExitSubRule(<decisionNumber>); }
 <@postloop()>
 >>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description)
 ::= <<
 // <fileName>:<description>
 <decls>
 <@preloop()>

```

```

try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch ( alt<decisionNumber> )
{
<alts:{a|altSwitchCase(i,a)}>
default:
goto loop<decisionNumber>;
}
}

loop<decisionNumber>:
;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

```

```
closureBlockSingleAlt ::= closureBlock
```

```

/** Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/

```

```
optionalBlock ::= block
```

```
optionalBlockSingleAlt ::= block
```

```

/** A case in a switch that jumps to an alternative given the alternative
* number. A
DFA predicts the alternative and then a simple switch
* does the jump to the code that actually matches that alternative.
*/

```

```
altSwitchCase(altNum,alt) ::= <<
```

```
case <altNum>:
```

```
<@prealt()>
```

```
DebugEnterAlt(<altNum>);
```

```
<alt>
```

```
break;<\n>
```

```
>>
```

```
/** An alternative is just a list of elements; at outermost level */
```

```
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
```

```

// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(it) ::= <%
<@prematch()>
DebugLocation(<it.line>, <it.pos>);<\n>
<it.el><\n>
%>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=<(<labelType>)<endif>Match(input,<token>,Follow._<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

listLabelElem(label,elem,elemType) ::= <<
if (list_<label>==null) list_<label>=new List<<elemType; null={<labelType>}>\>();
list_<label>.Add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

```

```

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchRange(<a>,<b>); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,terminalOptions,elementIndex,postmatchCode="") ::= <<
<if(label)>
<matchSetLabel()>
<endif>
if (<s>)
{
input.Consume();
<postmatchCode>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
}
else
{
<ruleBacktrackFailure()>
MismatchedSetException
mse = new MismatchedSetException(null,input);
DebugRecognitionException(mse);
<@mismatchedSetException()>
<if(LEXER)>
Recover(mse);
throw mse;
<else>
throw mse;
<! use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,Follow._set_in_<ruleName><elementIndex>);
!>
<endif>
}<\n>
>>

matchSetUnchecked(s,label,elementIndex,postmatchCode=false) ::= <%
<if(label)>
<matchSetLabel()><\n>
<endif>
input.Consume();<\n>
<if(postmatchCode)>
<postmatchCode><\n>
<endif>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
%>

```

```

matchSetLabel() ::= <%
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=(<labelType>)input.LT(1);
<endif>
%>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/**
Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <%
<if(label)>
int <label>Start = CharIndex;<\n>
Match(<string>); <checkRuleBacktrackFailure()><\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<label> = new <labelType>(input, TokenType.Invalid, TokenChannels.Default, <label>Start, CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
%>

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label>

```

```

= input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(Follow._<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope:delegateName()>.<endif><rule.name; format="id">(<args;
separator=", ">);
PopFollow();
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem=label,elemType={<ASTLabelType>},...)>
>>

/** A lexer rule reference.
 *
 * The 'rule'
 * argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()><\n>
<label> = new <labelType>(input, TokenType.Invalid, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;

```



```

<else>
<if(scope)><scope.delegateName()>.<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<endif>
%>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/**
EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
Match(EOF); <checkRuleBacktrackFailure()><\n>
<labelType> <label> = new <labelType>(input, EOF, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(EOF); <checkRuleBacktrackFailure()>
<endif>
%>

// used for left-recursive rules
recRuleDefArg()          ::= "int <recRuleArg()>"
recRuleArg()             ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=${<ruleName>}_primary.tree;"
recRuleSetReturnAction(src,name) ::= "${<name>}=${<src>}.<name>;"

/**
match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1) == TokenTypes.Down)
{
Match(input, TokenTypes.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenTypes.Up, null); <checkRuleBacktrackFailure()>

```

```

}
<else>
Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>))
{
<ruleBacktrackFailure()>
throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse ">
else
{
<if(eotPredictsAlt)>
alt<decisionNumber> = <eotPredictsAlt>;
<else>
<ruleBacktrackFailure()>
NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
DebugRecognitionException(nvae);
<@noViableAltException()>
throw nvae;
<endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if ( LA(1)==X ) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse ">

```

```

>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token
 * (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt>;<! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>;"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if
((<labelExpr>)<if(predicates)> && (<predicates>)<endif>)
{
<targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">

```

```

default:
<if(eotPredictsAlt)>
  alt<decisionNumber>=<eotPredictsAlt>;
  break;<\n>
<else>
  {
  <ruleBacktrackFailure()>
  NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
  DebugRecognitionException(nvae);
  <@noViableAltException()>
  throw nvae;
  }
<endif>
}<\n>
>>

```

```

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
}<\n>
>>

```

```

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState)
::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
<if(eotPredictsAlt)>
default:
  alt<decisionNumber>=<eotPredictsAlt>;
  break;<\n>
<endif>
}<\n>
>>

```

```

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{it|case <it>:}; separator="\n">
{
  <targetState>
}
break;
>>

```

```
// C y c l i c D F A
```

```
/** The code to initiate execution of a cyclic DFA; this is used
```

```

* in the rule to predict an alt just like the fixed DFA case.
* The <name> attribute is inherited via the parser, lexer, ...
*/
dfaDecision(decisionNumber,description) ::= <<
try
{
alt<decisionNumber> = dfa<decisionNumber>.Predict(input);
}
catch (NoViableAltException nvae)
{
DebugRecognitionException(nvae);
throw;
}
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
* Can't use hex as compiler translates them before compilation.
* These strings are split into multiple, concatenated strings.
* Java puts them back together at compile time thankfully.
* Java
cannot handle large static arrays, so we're stuck with this
* encode/decode approach. See analysis and runtime DFA for
* the encoding methods.
*/
cyclicDFA(dfa) ::= <<
private class DFA<dfa.decisionNumber> : DFA
{
private const string DFA<dfa.decisionNumber>_eotS =
"<dfa.javaCompressedEOT; wrap="+\n\t\t"">";
private const string DFA<dfa.decisionNumber>_eofS =
"<dfa.javaCompressedEOF; wrap="+\n\t\t"">";
private const string DFA<dfa.decisionNumber>_minS =
"<dfa.javaCompressedMin; wrap="+\n\t\t"">";
private const string DFA<dfa.decisionNumber>_maxS =
"<dfa.javaCompressedMax; wrap="+\n\t\t"">";
private const string DFA<dfa.decisionNumber>_acceptS =
"<dfa.javaCompressedAccept; wrap="+\n\t\t"">";
private const string DFA<dfa.decisionNumber>_specialS =
"<dfa.javaCompressedSpecial; wrap="+\n\t\t"">}>";
private static readonly string[] DFA<dfa.decisionNumber>_transitionS =
{
<dfa.javaCompressedTransition: {s|"<s; wrap="+\n\t\t"">"}";
separator=",\n">
};

private static readonly short[] DFA<dfa.decisionNumber>_eot =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eotS);
private static readonly short[] DFA<dfa.decisionNumber>_eof =

```

```

DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eofS);
private static readonly char[] DFA<dfa.decisionNumber>_min =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
private static readonly char[] DFA<dfa.decisionNumber>_max =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
private static readonly short[] DFA<dfa.decisionNumber>_accept =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
private static readonly short[] DFA<dfa.decisionNumber>_special =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_specialS);
private static readonly short[][] DFA<dfa.decisionNumber>_transition;

static DFA<dfa.decisionNumber>()
{
int numStates = DFA<dfa.decisionNumber>_transitionS.Length;
DFA<dfa.decisionNumber>_transition
= new short[numStates][];
for ( int i=0; i < numStates; i++ )
{
DFA<dfa.decisionNumber>_transition[i] =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
}
}

public DFA<dfa.decisionNumber>( BaseRecognizer recognizer<#if(dfa.specialStateSTs)>,
SpecialStateTransitionHandler specialStateTransition<#endif> )
<#if(dfa.specialStateSTs)>
: base(specialStateTransition)
<#endif>
{
this.recognizer = recognizer;
this.decisionNumber = <dfa.decisionNumber>;
this.eot = DFA<dfa.decisionNumber>_eot;
this.eof = DFA<dfa.decisionNumber>_eof;
this.min = DFA<dfa.decisionNumber>_min;
this.max = DFA<dfa.decisionNumber>_max;
this.accept = DFA<dfa.decisionNumber>_accept;
this.special = DFA<dfa.decisionNumber>_special;
this.transition = DFA<dfa.decisionNumber>_transition;
}

public override string Description { get { return "<dfa.description>"; } }

public override void Error(NoViableAltException nvae)
{
DebugRecognitionException(nvae);
}
}<#n>
<#if(dfa.specialStateSTs)>

```

```

private
int SpecialStateTransition<dfa.decisionNumber>(DFA dfa, int s, IIntStream _input)<! throws
NoViableAltException!>
{
<if(LEXER)>
IIntStream input = _input;
<endif>
<if(PARSER)>
ITokenStream input = (ITokenStream)_input;
<endif>
<if(TREE_PARSER)>
ITreeNodeStream input = (ITreeNodeStream)_input;
<endif>
int _s = s;
s = -1;
<! pull these outside the switch cases to save space on locals !>
int LA<dfa.decisionNumber>_1 = input.LA(1);
int index<dfa.decisionNumber>_1 = input.Index;
switch (_s)
{
<dfa.specialStateSTs:{state |case <i0>:<! compressed special state numbers 0..n-1 !>
<state> }; separator="\n">

default:
break;
}

if (s >= 0)
return s;

<if(backtracking)>
if (state.backtracking > 0) {state.failed=true; return -1;}
<endif>
NoViableAltException nvae = new NoViableAltException(dfa.Description, <dfa.decisionNumber>, _s, input);
dfa.Error(nvae);
throw nvae;
}
<endif>
>>

/**
A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFASState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
<if(semPredState)>
<! get next lookahead symbol to test edges, then rewind !>

```

```

input.Rewind();
<endif>
<edges; separator="\nelse ">
<if(semPredState)>
<! return input cursor to state before we rewound !>
input.Seek(index<decisionNumber>_1);
<endif>
break;
}
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>) {s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right)
::= "(<left>&&<right>)"

orPredicates(operands) ::= "(<operands; separator="||">)"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "(<pred>)"

evalSynPredicate(pred,description) ::= "EvaluatePredicate(<pred>_fragment)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<k>==<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<k><ge()><lower> && LA<decisionNumber>_<k><le()><upper>)

```



```
%>
```

```
isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::=  
"(input.LA(<k><ge()><lower> && input.LA(<k><le()><upper>)"
```

```
le() ::= "\<="
```

```
ge() ::= ">="
```

```
setTest(ranges) ::= <<
```

```
<ranges; separator="||">
```

```
>>
```

```
// A T T R I B U T E S
```

```
attributeScope(scope)
```

```
::= <<
```

```
<if(scope.attributes)>
```

```
protected sealed partial class <scope.name>_scope
```

```
{
```

```
<scope.attributes: { it|public <it.decl>; }; separator="\n">
```

```
}
```

```
<if(scope.actions.scopeinit)>
```

```
protected void <scope.name>_scopeInit( <scope.name>_scope scope )
```

```
{
```

```
<scope.actions.scopeinit>
```

```
}
```

```
<else>
```

```
protected virtual void <scope.name>_scopeInit( <scope.name>_scope scope ) {}
```

```
<endif>
```

```
<if(scope.actions.scopeafter)>
```

```
protected void <scope.name>_scopeAfter( <scope.name>_scope scope )
```

```
{
```

```
<scope.actions.scopeafter>
```

```
}
```

```
<else>
```

```
protected virtual void <scope.name>_scopeAfter( <scope.name>_scope scope ) {}
```

```
<endif>
```

```
protected readonly ListStack<<scope.name>_scope> <scope.name>_stack = new
```

```
ListStack<<scope.name>_scope>();
```

```
<endif>
```

```
>>
```

```
globalAttributeScope(scope) ::= <<
```

```
<attributeScope(...)>
```

```
>>
```

```
ruleAttributeScope(scope) ::= <<
```

```
<attributeScope(...)>
```

```
>>
```

```
returnStructName(it) ::= "<it.name>_return"
```

```
returnType(ruleDescriptor) ::= <%  
<if(ruleDescriptor.returnScope.attributes &&  
ruleDescriptor.hasMultipleReturnValues)>  
<ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>  
<elseif(ruleDescriptor.hasMultipleReturnValues)>  
<ruleReturnBaseType()>  
<elseif(ruleDescriptor.hasSingleReturnValue)>  
<ruleDescriptor.singleValueReturnType>  
<else>  
void  
<endif>  
>%>
```

```
/** Generate the C# type associated with a single or multiple return  
* values.
```

```
*/
```

```
ruleLabelType(referencedRule) ::= <%  
<if(referencedRule.hasMultipleReturnValues)>  
<ruleReturnBaseType()>  
<elseif(referencedRule.hasSingleReturnValue)>  
<referencedRule.singleValueReturnType>  
<else>  
void  
<endif>  
>%>
```

```
delegateName(it) ::= <<  
<if(it.label)><it.label><else>g<it.name><endif>  
>>
```

```
/** Using a type to init value map, try to init a type; if not in table  
* must be an object, default value is "null".
```

```
*/
```

```
initValue(typeName) ::= <<  
default(<typeName>)  
>>
```

```
/** Define a rule label including default value */
```

```
ruleLabelDef(label) ::= <%  
<ruleLabelType(referencedRule=label.referencedRule)>  
<label.label.text> = <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;  
>%>
```

```
/** Define a return struct for a rule if the code needs to access its
```

```

* start/stop tokens, tree stuff, attributes, ... Leave a hole for
* subgroups to stick in members.
*/
returnScope(scope) ::= <<
<if(scope.attributes && ruleDescriptor.hasMultipleReturnValues)>
<returnScopeModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> sealed partial class
<ruleDescriptor:returnStructName()> : <ruleReturnBaseType()><@ruleReturnInterfaces()>
{
<scope.attributes:{it|public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>
>>

ruleReturnBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<labelType>>
%>

@returnScope.ruleReturnMembers() ::= <<
>>

parameterScope(scope) ::= <<
<scope.attributes:{it|<it.decl>}; separator=" ">
>>

parameterAttributeRef(attr) ::= <<
<attr.name; format="id">
>>

parameterSetAttributeRef(attr,expr)
::= <<
<attr.name; format="id"> =<expr>;
>>

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id">
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id">
<else>
<scope>_stack.Peek().<attr.name; format="id">
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>

```

```

<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id"> = <expr>;
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id"> = <expr>;
<else>
<scope>_stack.Peek().<attr.name; format="id"> = <expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.Count>0 && $function::name.Equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of
 rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?((<return Type(referencedRule)><scope>).<attr.name; format="id">:<initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id">
<else>
<attr.name; format="id">
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id"> =<expr>;
<else>
<attr.name; format="id"> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

```

```
// not sure the next are the right approach
```

```
tokenLabelPropertyRef_text(scope,attr) ::= "<scope>!=null?<scope>.Text.default(string)"  
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>!=null?<scope>.Type:0"  
tokenLabelPropertyRef_line(scope,attr)  
::= "<scope>!=null?<scope>.Line:0"  
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=null?<scope>.CharPositionInLine:0)"  
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=null?<scope>.Channel:0"  
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=null?<scope>.TokenIndex:0)"  
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"  
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=null?int.Parse(<scope>.Text):0)"
```

```
ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=null?((<labelType><scope>.Start):default(<labelType>))"  
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=null?((<labelType><scope>.Stop):default(<labelType>))"  
ruleLabelPropertyRef_tree(scope,attr) ::=  
"<scope>!=null?((<ASTLabelType><scope>.Tree):default(<ASTLabelType>))"  
ruleLabelPropertyRef_text(scope,attr) ::= <%  
<if(TREE_PARSER)>  
<scope>!=null?(input.TokenStream.ToString(  
input.TreeAdaptor.GetTokenStartIndex(<scope>.Start),  
input.TreeAdaptor.GetTokenStopIndex(<scope>.Start))):default(string)  
<else>  
<scope>!=null?input.ToString(<scope>.Start,<scope>.Stop):default(string)  
<endif>  
>%
```

```
ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?<scope>.Template:null)"
```

```
/** Isolated $RULE ref ok in lexer as it's a Token */
```

```
lexerRuleLabel(label) ::= "<label>"
```

```
lexerRuleLabelPropertyRef_type(scope,attr) ::=  
"<scope>!=null?<scope>.Type:0)"
```

```
lexerRuleLabelPropertyRef_line(scope,attr) ::=  
"<scope>!=null?<scope>.Line:0)"
```

```
lexerRuleLabelPropertyRef_pos(scope,attr) ::=  
"<scope>!=null?<scope>.CharPositionInLine:-1)"
```

```
lexerRuleLabelPropertyRef_channel(scope,attr) ::=  
"<scope>!=null?<scope>.Channel:0)"
```

```
lexerRuleLabelPropertyRef_index(scope,attr) ::=  
"<scope>!=null?<scope>.TokenIndex:0)"
```

```
lexerRuleLabelPropertyRef_text(scope,attr) ::=
```

```

"(<scope>!=null?<scope>.Text:default(string))"

lexerRuleLabelPropertyRef_int(scope,attr) ::=
  "(<scope>!=null?int.Parse(<scope>.Text):0)"

//
  Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.Start"
rulePropertyRef_stop(scope,attr) ::= "retval.Stop"
rulePropertyRef_tree(scope,attr) ::= "retval.Tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.TokenStream.ToString(
  input.TreeAdaptor.GetTokenStartIndex(retval.Start),
  input.TreeAdaptor.GetTokenStopIndex(retval.Start))
<else>
input.ToString(retval.Start,input.LT(-1))
<endif>
%>
rulePropertyRef_st(scope,attr) ::= "retval.Template"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::=
  "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int.Parse(<scope>.Text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.Tree = <expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.Template =<expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <%
<if(backtracking)>
if (<actions.(actionScope).synpredgate>)<\n>
{<\n>
<@indentedAction()><\n>
}
<else>
<action>
<endif>
%>

```

```

@execAction.indentedAction() ::= <<
<action>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static readonly BitSet <name> = new BitSet(new ulong[] { <words64: {it|<it>UL}; separator=", "> });
>>

codeFileExtension() ::= ".cs"

true_value() ::=
"true"
false_value() ::= "false"

```

Found in path(s):

```

* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-
jar/org/antlr/codegen/templates/CSharp2/CSharp2.stg

```

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/*

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*/

```
@genericParserHeaderFile.memVars() ::= <<
```

```
/* AST parserHeaderFile.memVars */
```

```
NSInteger ruleLevel;
```

```
NSArray *ruleNames;
```

```
<@super.memVars(> /* AST super.memVars */
```

```
<parserMemVars(> /* AST parserMemVars */
```

```
>>
```

```
@genericParserHeaderFile.properties() ::= <<
```

```
/* AST parserHeaderFile.properties */
```

```
<@super.properties(> /* AST super.properties */
```

```
<parserProperties(> /* AST parserproperties */
```

```
>>
```

```
@genericParserHeaderFile.methodsDecl()
```

```
::= <<
```

```
/* AST parserHeaderFile.methodsDecl */
```

```
<@super.methodsDecl(> /* AST super.methodsDecl */
```

```
<parserMethodsDecl(> /* AST parsermethodsDecl */
```

```
>>
```

```
@genericParser.synthesize() ::= <<
```

```
/* AST genericParser.synthesize */
```

```
<@super.synthesize(>
```

```
<parserSynthesize(>
```

```
>>
```

```
@genericParser.methods() ::= <<
```

```
/* AST genericParser.methods */
```

```
<@super.methods(>
```

```
<parserMethods(>
```

```
>>
```

```
/* additional init code for tree support */
```

```
@genericParser.init() ::= <<
```

```
/* AST genericParser.init */
```

```
<@super.init(>
```

```
[self setTreeAdaptor:[[CommonTreeAdaptor newTreeAdaptor] retain]];
```

```
>>
```

```
@genericParser.dealloc() ::= <<
```

```
/* AST genericParser.dealloc */
```

```
[self setTreeAdaptor:nil];
```



```

<@super.dealloc(>
>>

/* Add an adaptor property that knows how to build trees */
parserMemVars() ::= <<
/* AST parserMemVars */
id\<TreeAdaptor> treeAdaptor;
>>

/* Add an adaptor property that knows how to build trees */
parserProperties() ::= <<
/* AST parserProperties */
@property (retain,
getter=getTreeAdaptor, setter=setTreeAdaptor:) id\<TreeAdaptor> treeAdaptor;
>>

/** Declaration of additional tree support methods - go in interface of parserHeaderFile() */
parserMethodsDecl() ::= <<
/* AST parserMethodsDecl */
- (id\<TreeAdaptor>) getTreeAdaptor;
- (void) setTreeAdaptor:(id\<TreeAdaptor>)theTreeAdaptor;
>>

/* Add an adaptor property that knows how to build trees */
parserSynthesize() ::= <<
/* AST parserProperties */
@synthesize treeAdaptor;
>>

/** Definition of addition tree support methods - go in implementation of genericParser() */
parserMethods() ::= <<
/* AST parserMethods */
- (id\<TreeAdaptor>) getTreeAdaptor
{
return treeAdaptor;
}

- (void) setTreeAdaptor:(id\<TreeAdaptor>)aTreeAdaptor
{
if (aTreeAdaptor != treeAdaptor) {
treeAdaptor = aTreeAdaptor;
}
}
>>

/** addition memVars for returnscopes */
@returnScopeInterface.memVars() ::= <<
/* AST returnScopeInterface.memVars */

```

```

<recognizer.ASTLabelType; null="CommonTree">
*tree;
>>

/** the interface of returnScope properties */
@returnScopeInterface.properties() ::= <<
/* AST returnScopeInterface.properties */
@property (retain, getter=getTree, setter=setTree:) <recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/** the interface of returnScope methodsDecl */
@returnScopeInterface.methodsDecl() ::= <<
/* AST returnScopeInterface.methodsDecl */
- (<recognizer.ASTLabelType; null="CommonTree"> *)getTree;<\n>
- (void) setTree:(<recognizer.ASTLabelType; null="CommonTree"> *)aTree;<\n>
>>

/** the implementation of returnScope synthesize */
@returnScopeImplementation.synthesize() ::= <<
/* AST returnScope.synthesize */
@synthesize tree;
>>

/** the implementation of returnScope methods */
@returnScopeImplementation.methods() ::= <<
/* AST returnScope.methods */
- (<ASTLabelType> *)getTree
{
    return tree;
}

- (void) setTree:(<ASTLabelType> *)aTree
{
    if (tree != aTree) {
        if (tree != nil) [tree release];
        if (aTree != nil) [aTree retain];
        tree = aTree;
    }
}

- (void) dealloc
{
    self.tree = nil;
    [super dealloc];
}

>>

```

```

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
/* AST ruleDeclarations */
<super.ruleDeclarations()>
<ASTLabelType> *root_0 = nil;<\n>
>>

ruleLabelDefs() ::= <<
/* AST ruleLabelDefs */
<super.ruleLabelDefs()>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
ruleDescriptor.wildcardTreeListLabels]:{it | <ASTLabelType> *<it.label.text>_tree=nil;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> *<it.label.text>_tree = nil;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites:{it | RewriteRuleTokenStream *stream_<it> =
[[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
description:@ "token <it>" retain];}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites:{it
| RewriteRuleSubtreeStream *stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
description:@ "rule <it>" retain];}; separator="\n">
>>

ruleCleanUp() ::= <<
/* AST ruleCleanUp */
<super.ruleCleanUp()>
<[ruleDescriptor.allTokenRefsInAltsWithRewrites,ruleDescriptor.allRuleRefsInAltsWithRewrites]:{it |
[stream_<it> release];}; separator="\n">
<!
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(backtracking)>if ( state.backtracking == 0 ) {<\n>
<endif>
[<prevRuleRootRef()> setTree:(<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0];<\n>
[treeAdaptor setTokenBoundaries:[<prevRuleRootRef()> getTree]
From:[<prevRuleRootRef()> getStart]
To:[<prevRuleRootRef()> getStop]];<\n>
<if(backtracking)>}<\n>
<endif>
<endif>
[root_0 release];
!>
>>

rewriteCodeLabelsCleanUp() ::= <<
/* AST
rewriteCodeLabelsCleanUp */
<referencedTokenLabels:{it | [stream_<it> release];}; separator="\n">
<referencedTokenListLabels:{it | [stream_<it> release];}; separator="\n">
<referencedRuleLabels:{it | [stream_<it> release];}; separator="\n">

```

```

<referencedRuleListLabels:{it | [stream_<it> release];}; separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = (<ASTLabelType> *)[[[treeAdaptor class] newEmptyTree] retain];<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex) ::= <<
<! <super.tokenRef(...)> !>
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>
if
( <actions.(actionScope).synpredgate> ) <endif>
[stream_<token> addElement:<label>];<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex) ::= <<
<! <super.tokenRef(...)> !>
<tokenRefBang(...)>
<if(backtracking)>
if ( !<actions.(actionScope).synpredgate> ) <endif>
[stream_<token> addElement:<label>];<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */

```

```

tokenRefRuleRootTrackAndListLabel(token,label,elementIndex) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate>
) <endif>
[stream_<rule.name> addElement:[<label> getTree]];
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem={{<label> getTree}},...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<! <super.ruleRefRuleRoot(...)> !>
<ruleRefRuleRoot(...)>
<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>
[stream_<rule.name> addElement:[<label> getTree];<\n>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem={{<label> getTree}},...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel,
enclosingTreeLevel, treeLevel) ::=
<<

```

```

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if ( <actions.(actionScope).synpredgate> ) {<\n>
<endif>
<prevRuleRootRef(>.tree = root_0;<\n>
<rewriteCodeLabels(>
root_0 = (<ASTLabelType> *)[[treeAdaptor class] newEmptyTree] retain];<\n>
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>.tree = (<ASTLabelType>)[treeAdaptor rulePostProcessing:root_0];
[input replaceChildren:[treeAdaptor getParent:retval.start]
From:[treeAdaptor getChildIndex:retval.start]
To:[treeAdaptor getChildIndex:_last]
With:retval.tree];
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>.tree = root_0;<\n>
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>.tree = root_0;<\n>
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {it | RewriteRule<rewriteElementType>Stream *stream_<it> =
[[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
description:@ "token <it>" element:<it>] retain];};
separator="\n"
>
<referencedTokenListLabels: {it | RewriteRule<rewriteElementType>Stream *stream_<it> =
[[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
description:@ "token <it>" elements:list_<it>] retain];};
separator="\n"

```

```

>
<referencedWildcardLabels:{ it
| RewriteRuleSubtreeStream stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
description:"wildcard <it>" element:<it>] retain];};
separator="\n"
>
<referencedWildcardListLabels:{ it | RewriteRuleSubtreeStream stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
descriptor:"wildcard <it>" elements:list_<it>] retain];};
separator="\n"
>
<referencedRuleLabels:{ it | RewriteRuleSubtreeStream *stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
description:@ "token <it>" element:<it>! =nil?[<it> getTree]:nil] retain];};
separator="\n"
>
<referencedRuleListLabels:{ it | RewriteRuleSubtreeStream *stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
description:@ "token <it>" elements:list_<it>] retain];};
separator="\n"
>
>>

/** Generate code for an optional rewrite block;
note it uses the deep ref'd element
* list rather shallow like other blocks.
*/
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if ( <referencedElementsDeep:{el | [stream_<el> hasNext]}; separator="||"> ) {
<alt>
}
<referencedElementsDeep:{el | [stream_<el> reset];<\n>}>
>>

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>

```

```

while ( <referencedElements:{el | [stream_<el> hasNext]}; separator="||"> ) {
  <alt>
}
<referencedElements:{el | [stream_<el> reset];<\n>}>
>>

```

```

rewritePositiveClosureBlock(
  alt,rewriteBlockLevel,
  referencedElementsDeep, // all nested refs
  referencedElements, // elements in immediately block; no nested blocks
  description)
::=
<<
// <fileName>:<description>
{
if ( !(<referencedElements:{el | [stream_<el> hasNext]}; separator=" || ">) ) {
  @throw [RewriteEarlyExitException newException];
}
while ( <referencedElements:{el | [stream_<el> hasNext]}; separator=" || "> ) {
  <alt>
}
<referencedElements:{el | [stream_<el> reset];<\n>}>
}
>>

```

```

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
  <a.alt>
}<\n>
<else>
{
  <a.alt>
}<\n>
<endif>
>>

```

```

/** For empty rewrites: "r: ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = nil;"

```

```

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
  <ASTLabelType> *root_<treeLevel> = (<ASTLabelType> *)[[[treeAdaptor class] newEmptyTree] retain];
  <root:rewriteElement()>
  <children:rewriteElement()>
  [treeAdaptor addChild:root_<treeLevel> toTree:root_<enclosingTreeLevel>];
}

```



```

}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e)
 ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
// TODO: args: <args; separator=", ">
[treeAdaptor addChild:<createRewriteNodeFromElement(...)> toTree:root_<treeLevel>];<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
[treeAdaptor addChild:[stream_<label> nextNode] toTree:root_<treeLevel>];<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
[treeAdaptor addChild:[stream_<label> nextNode] toTree:root_<treeLevel>];<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]
old:root_<treeLevel>];<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args]
...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createRewriteNodeFromElement(...)>
old:root_<treeLevel>];<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
[treeAdaptor addChild:<createImaginaryNode(tokenType=token, ...)> toTree:root_<treeLevel>];<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<

```

```

root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createImaginaryNode(tokenType=token, ...)>
old:root_<treeLevel>];<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef()
::= "retval"

rewriteRuleRef(rule) ::= <<
[treeAdaptor addChild:[stream_<rule> nextTree] toTree:root_<treeLevel>];<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:(id<Tree>)[stream_<rule> nextNode]
old:root_<treeLevel>];<\n>
>>

rewriteNodeAction(action) ::= <<
[treeAdaptor addChild:<action> toTree:root_<treeLevel>];<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<action> old:root_<treeLevel>];<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label)
::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]

```

```

old:root_<treeLevel>];<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]
old:root_<treeLevel>];<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
  [<terminalOptions.node> new<terminalOptions.node>:<tokenType> <if(args)>, <args; separator=", "><endif>]
<else>
  <if(args)>
    [[treeAdaptor createTree:<tokenType> <if(first(args))>FromToken:<first(args)><endif>
<if(first(rest(args)))>Text:<first(rest(args))><else>Text:@ "<tokenType>"<endif>] retain]
  <else>
    [[treeAdaptor createTree:<tokenType> Text:@ "<tokenType>"] retain]
  <endif>
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args)
::= <<
<if(terminalOptions.node)>
  [<terminalOptions.node> new<terminalOptions.node>:[stream_<token> nextToken]<if(args)>, <args;
separator=", "><endif>]
<else>
  <if(args)> <! must create new node from old !>
    [[treeAdaptor createTree:<token> Text:<first(rest(args))> <args; separator=", ">] retain]
  <else>
    [stream_<token> nextNode]
  <endif>
<endif>
>>

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-jar/org/antlr/codegen/templates/ObjC/AST.stg
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*/

/** Template overrides to add debugging to AST stuff. Dynamic inheritance

* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

*/

```
parserMembers() ::= <<
```

```
DebugTreeAdaptor *adaptor = [DebugTreeAdaptor newTreeAdaptor:(id)dbg Adaptor:[CommonTreeAdaptor newTreeAdaptor]];
```

```
// fix this
```

```
- (void) setTreeAdaptor:(id<TreeAdaptor>)anAdaptor
```

```
{
```

```
    adaptor = [DebugTreeAdaptor newTreeAdaptor:dbg Adaptor:anAdaptor];
```

```
<if(grammar.grammarIsRoot)>
```

```
    adaptor = [DebugTreeAdaptor newTreeAdaptor:adaptor withDBG:dbg];
```

```
<else>
```

```
    adaptor = (DebugTreeAdaptor *)adaptor; // delegator sends dbg adaptor
```

```
<endif><\n>
```

```
    <grammar.directDelegates:{g[<g:delegateName()> setTreeAdaptor:adaptor];}>
```

```
}
```

```
- (id<TreeAdaptor>)getTreeAdaptor
```

```
{
```

```
    return adaptor;
```

```
><\n>
```

```

>>

parserCtorBody() ::= <<
<super.parserCtorBody()>
>>

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy =
    [DebugEventSocketProxy newDebugEventSocketProxy:self, port, <if(TREE_PARSER)>[input
getTreeAdaptor]<else>adaptor<endif>];
[self setDebugListener:proxy];
[self set<inputStreamType>:[Debug<inputStreamType> newDebug<inputStreamType>:input with:proxy]];
try {
    [proxy handshake];
}
@catch (IOException *ioe) {
    [self reportError:ioe];
}
>>

@ctorForRootGrammar.finally() ::= <<
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];
[proxy setTreeAdaptor:adap];
>>

@ctorForProfilingRootGrammar.finally()
::=<<
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];
[proxy setTreeAdaptor:adap];
>>

@ctorForPredefinedListener.superClassRef() ::= @"super(input, dbg);"

@ctorForPredefinedListener.finally() ::=<<
<if(grammar.grammarIsRoot)> <! don't create new adaptor for delegates !>
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];<\n>
<endif>
>>

@treeParserHeaderFile.superClassName ::= "DebugTreeParser"

@rewriteElement.pregen() ::= "[debugListener locationLine:<e.line> column:<e.pos>];"

Found in path(s):
* /opt/cola/permits/1001035969_1646171611.67/0/antlr-3-5-sources-

```

1.236 reporter-config-base 3.0.3

1.237 grpc-stub 0.15.0

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```
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-jar/io/grpc/stub/ClientCalls.java
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-jar/io/grpc/stub/MetadataUtils.java
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-jar/io/grpc/stub/AbstractStub.java
```

```
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-jar/io/grpc/stub/ServerCalls.java
*
/opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-jar/io/grpc/stub/StreamObserver.java
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```
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-
jar/io/grpc/stub/ServerCallStreamObserver.java
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-
jar/io/grpc/stub/CallStreamObserver.java
* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-
jar/io/grpc/stub/ClientCallStreamObserver.java
*
/opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-
jar/io/grpc/stub/ClientResponseObserver.java
```

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* /opt/cola/permits/1001043416_1607485917.32/0/grpc-stub-0-15-0-sources-1-
jar/io/grpc/stub/StreamObservers.java
```

1.238 simpleclient-hotspot 0.0.23

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1.239 cassandra-connection-pool 0.7.1

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```
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/ConnectionPool.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
```

```

jar/net/dataforte/cassandra/pool/PoolProperties.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/DataSource.java
*
/opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/thrift/CassandraThriftDataSource.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/HostFailoverPolicy.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/PoolConfiguration.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/DataSourceFactory.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/CassandraRing.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/jmx/ConnectionPoolMBean.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/CassandraHost.java
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/opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/PooledConnection.java
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jar/net/dataforte/cassandra/pool/FairBlockingQueue.java
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jar/net/dataforte/cassandra/pool/DataSourceProxy.java
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jar/net/dataforte/cassandra/pool/HostCyclePolicy.java
* /opt/cola/permits/1001043165_1607138382.37/0/cassandra-connection-pool-0-7-1-sources-1-
jar/net/dataforte/cassandra/pool/OffsetArrayList.java

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1.240 grpc-core 1.5.0

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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/inprocess/InProcessSocketAddress.java
- *
- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/OobChannel.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/MetadataApplierImpl.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalNotifyOnServerBuild.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalDecompressorRegistry.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ResolvedServerInfoGroup.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/SecurityLevel.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ForwardingConnectionClientTransport.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ConnectionClientTransport.java
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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/LogId.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ConnectivityStateInfo.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/SubchannelImpl.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ChannelExecutor.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalKnownTransport.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/LoadBalancer.java
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- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/InternalHandlerRegistry.java
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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/PickSubchannelArgsImpl.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/SharedResourcePool.java

* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/BindableService.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/StatsTraceContext.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/InUseStateAggregator.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ConnectivityState.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/FailingClientStream.java
 *
 /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/KeepAliveManager.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalMetadata.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/CensusStatsModule.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Grpc.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/IOUtils.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/util/RoundRobinLoadBalancerFactory.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ConnectivityStateManager.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ManagedChannelImpl.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/FailingClientTransport.java
 *
 /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ManagedClientTransport.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/NameResolverProvider.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/CensusTracingModule.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServiceDescriptor.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/CallCredentials.java
 * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalMethodDescriptor.java
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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ServerTransport.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/inprocess/InProcessTransport.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/DnsNameResolverProvider.java
- *
- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/PickFirstBalancerFactory.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ResolvedServerInfo.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/inprocess/InProcessServerBuilder.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ForwardingClientCall.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/InternalSubchannel.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/PartialForwardingServerCallListener.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ContextRunnable.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Contexts.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/NameResolver.java
- *
- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/DelayedClientTransport.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerBuilder.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/StatusException.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/InternalServer.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/inprocess/package-info.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ManagedChannel.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ForwardingClientCallListener.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/DecompressorRegistry.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ManagedChannelBuilder.java
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- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/CompressorRegistry.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-

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jar/io/grpc/internal/NoopClientStream.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/PartialForwardingServerCall.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/inprocess/InProcessServer.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Decompressor.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerProvider.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Compressor.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/package-info.java
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jar/io/grpc/internal/DnsNameResolver.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Attributes.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Internal.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/Http2Ping.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Codec.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ForwardingServerCall.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/EquivalentAddressGroup.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/DelayedStream.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/ForwardingServerCallListener.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/CallOptions.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/inprocess/InProcessChannelBuilder.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/WritableBufferAllocator.java
*
/opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/package-info.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/StatusRuntimeException.java
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/FixedObjectPool.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/Framer.java
*
/opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/StreamTracer.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ClientStreamTracer.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/OverrideAuthorityNameResolverFactory.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/AtomicBackoff.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ForwardingNameResolver.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerStreamTracer.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/MoreThrowables.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/util/package-info.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalServerInterceptors.java
*
/opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/InternalStatus.java
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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/SerializingExecutor.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ReadableBuffers.java
- *
- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ServerStreamListener.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/AbstractReadableBuffer.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/SharedResourceHolder.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/StreamListener.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ReadableBuffer.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/KnownLength.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ServerStream.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/HandlerRegistry.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Metadata.java
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- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/GrpcUtil.java
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- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ServerListener.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerMethodDefinition.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/Http2ClientStreamTransportState.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/CompositeReadableBuffer.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ClientInterceptors.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/AbstractClientStream.java
- *
- /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ClientCallImpl.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/MethodDescriptor.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Server.java
- * /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-

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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerCallHandler.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Drainable.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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/opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerInterceptors.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/AbstractStream.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Channel.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/Stream.java
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/AbstractServerImplBuilder.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ClientInterceptor.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/Status.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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/opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ClientCall.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/ClientTransportFactory.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerInterceptor.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
jar/io/grpc/internal/AbstractServerStream.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-
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* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/internal/ClientStream.java
* /opt/cola/permits/1001043290_1606875109.25/0/grpc-core-1-5-0-sources-3-jar/io/grpc/ServerCall.java
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jar/io/grpc/internal/MessageFramer.java

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1.241 concurrent-trees 2.4.0

1.242 protobuf-java-util 3.4.0

1.243 ohc-core 0.4.4

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1.245 java-nats-streaming 0.4.1

1.245.1 Available under license :

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Found in path(s):

- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/Message.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/Options.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/AckHandler.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/Subscription.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/ConnectionFactory.java
- *
- /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/SubscriptionImpl.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/SubscriptionOptions.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/ConnectionImpl.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/Connection.java
- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/io/nats/stan/MessageHandler.java

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Found in path(s):

- * /opt/cola/permits/1001043444_1606874078.02/0/java-nats-streaming-0-4-1-sources-1-jar/META-INF/maven/io.nats/java-nats-streaming/pom.xml

1.246 grpc-protobuf 0.15.0

1.246.1 Available under license :

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* /opt/cola/permits/1001043456_1607485978.48/0/grpc-protobuf-0-15-0-sources-1-jar/io/grpc/protobuf/ProtoUtils.java

1.247 simpleclient 0.0.23

1.247.1 Available under license :

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*
 * Source: <http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/jsr166e/DoubleAdder.java?revision=1.12>

*/

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* /opt/cola/permits/1001043065_1606872429.82/0/simpleclient-0-0-23-sources-1-jar/io/prometheus/client/DoubleAdder.java

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 * Source: http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/jsr166e/Striped64.java?revision=1.10
 */
```

Found in path(s):

```
* /opt/cola/permits/1001043065_1606872429.82/0/simpleclient-0-0-23-sources-1-
jar/io/prometheus/client/Striped64.java
```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1001043065_1606872429.82/0/simpleclient-0-0-23-sources-1-
jar/io/prometheus/client/CKMSQuantiles.java
```

1.248 springfox-swagger-common 2.6.1

1.249 cassandra-driver-core 3.3.0

1.249.1 Available under license :

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* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/META-INF/maven/com.datastax.cassandra/cassandra-driver-core/pom.xml

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Found in path(s):

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Driver.properties

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* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Clause.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/ErrorAwarePolicy.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-

```

jar/com/datastax/driver/core/SchemaParser.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/FunctionExecutionException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/UnresolvedUserTypeException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/FunctionMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/Drop.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/AuthenticationException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ResultSetFuture.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Requests.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AggregateMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/PerHostPercentileTracker.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ArrayBackedRow.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/ProtocolError.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/StatementStart.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Row.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/HostConnectionPool.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Native.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/WriteType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ControlConnection.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/DataType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/AlterKeyspace.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/EventDebouncer.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/BusyPoolException.java
*

```

/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/SettableData.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/DefaultResultSetFuture.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/package-info.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/AlreadyExistsException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/SchemaElement.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/AbstractReconnectionHandler.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/PercentileTracker.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/SessionManager.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Delete.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/RequestHandler.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/CloseFuture.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/CoordinatorException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/JdkSSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/AbstractAddressableByIndexData.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/GettableByIndexData.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/QueryBuilder.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Ordering.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ClusterNameMismatchException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/TokenAwarePolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Session.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/TableOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ServerSideTimestampGenerator.java
*

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 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
 jar/com/datastax/driver/core/ExceptionCatchingRunnable.java
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 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
 jar/com/datastax/driver/core/exceptions/InvalidQueryException.java
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 jar/com/datastax/driver/core/policies/PercentileSpeculativeExecutionPolicy.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
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 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
 jar/com/datastax/driver/core/ProtocolOptions.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
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 jar/com/datastax/driver/core/AbstractGettableData.java
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 jar/com/datastax/driver/core/exceptions/UnavailableException.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
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 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
 jar/com/datastax/driver/core/schemabuilder/CreateType.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
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 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
 jar/com/datastax/driver/core/policies/ConstantReconnectionPolicy.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
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 jar/com/datastax/driver/core/policies/IdempotenceAwareRetryPolicy.java
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 jar/com/datastax/driver/core/SystemProperties.java
 * /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-

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jar/com/datastax/driver/core/QueryOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/NativeColumnType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AbstractMonotonicTimestampGenerator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/StreamIdGenerator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SocketOptions.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TupleValue.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Metrics.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/BootstrappingException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SchemaChangeListenerBase.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/CBUtil.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/ReadTimeoutException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/KeyspaceOptions.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/UnpreparedException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/InvalidConfigurationInQueryException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Configuration.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/utils/MoreObjects.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/Policies.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ProtocolV1Authenticator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/DataTypeCqlNameParser.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/KeyspaceMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/LatencyTracker.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/AddressTranslator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/NoHostAvailableException.java

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* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Truncate.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/DefaultPreparedStatement.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/DataTypeClassNameParser.java

*

/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Utils.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Connection.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/BindMarker.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/PreparedStatement.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ClusterWidePercentileTracker.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/BusyConnectionException.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/TypeTokens.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/ReadFailureException.java

*

/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ProtocolEvent.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/NettyUtil.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/ServerError.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/QueryTrace.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/PreparedStatement.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Frame.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/AbstractGettableByIndexData.java

*

/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/CodecRegistry.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/CodecUtils.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/GettableData.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/package-info.java

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-

jar/com/datastax/driver/core/exceptions/DriverException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/SpeculativeExecutionPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/TruncateException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/DriverInternalError.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/DCAwareRoundRobinPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/InvalidTypeException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/DefaultRetryPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ArrayBackedResultSet.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/LatencyAwarePolicy.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ColumnDefinitions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/LZ4Compressor.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/WriteFailureException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/UserType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/QueryValidationException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/UDTType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Host.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/NettySSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/VersionNumber.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/BatchStatement.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/package-info.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Duration.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Assignment.java


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* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/DriverThrowables.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Message.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/querybuilder/Using.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/querybuilder/package-info.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/MetricsOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/LoadBalancingPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AbstractTableMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Statement.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/Clock.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ChainedResultSetFuture.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SimpleJSONParser.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/LoggingRetryPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/UnauthorizedException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/utils/Bytes.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Token.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SettableByIndexData.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/MD5Digest.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TupleType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/BoundStatement.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TimestampGenerator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ThreadLocalMonotonicTimestampGenerator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-

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jar/com/datastax/driver/core/policies/ExponentialReconnectionPolicy.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/querybuilder/Select.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/QueryExecutionException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/utils/MoreFutures.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/CreateKeyspace.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/RemoteEndpointAwareJdkSSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/package-info.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SchemaChangeListener.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/ConnectionException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/OverloadedException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/FrameCompressor.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/PlainTextAuthProvider.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ParseUtils.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TokenRange.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/Responses.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/WhiteListPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/CodecNotFoundException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TableOptionsMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/PagingIterable.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/UnsupportedProtocolVersionException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/RetryPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/LoggingMonotonicTimestampGenerator.java
*

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/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Cluster.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/Create.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/Update.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Clock.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/UDTValue.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/MaterializedViewMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/EC2MultiRegionAddressTranslator.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/RollingCount.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/Metadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ExceptionCode.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/NettyOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/policies/NoSpeculativeExecutionPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/RemoteEndpointAwareSSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/AbstractCreateStatement.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/SyntaxError.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/exceptions/OperationTimedOutException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/querybuilder/BuiltStatement.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/TypeCodec.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/RemoteEndpointAwareNettySSLOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/IndexMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/ColumnMetadata.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/schemabuilder/Alter.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-

jar/com/datastax/driver/core/ReplicationStrategy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/StatementWrapper.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/CreateIndex.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/RoundRobinPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/DirectedGraph.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/UnsupportedFeatureException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/TraceRetrievalException.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/ColumnType.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/QueryLogger.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/ConstantSpeculativeExecutionPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AuthProvider.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ExecutionInfo.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ConsistencyLevel.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/FallthroughRetryPolicy.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/TableMetadata.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AtomicMonotonicTimestampGenerator.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/QueryConsistencyException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/PagingState.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/DelegatingCluster.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/DowngradingConsistencyRetryPolicy.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ConvictionPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ResultSet.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SnappyCompressor.java

```
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ClusteringOrder.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/ThreadingOptions.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/exceptions/FrameTooLongException.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/AbstractData.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/RegularStatement.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/schemabuilder/DropKeyspace.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/HostFilterPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/LocalDate.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/SettableByNameData.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/ChainableLoadBalancingPolicy.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/querybuilder/Insert.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/policies/ReconnectionPolicy.java
*
/opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/HostDistance.java
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/GettableByNameData.java
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```
* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-
jar/com/datastax/driver/core/VIntCoding.java
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```
*/
```

```
/**
```

```
* The value returned for connection options when they have not been set by the client, and the protocol version
* is not known yet.
```

```
* <p/>
```

```
* Once a {@code PoolingOptions} object is associated to a {@link Cluster} and that cluster initializes, the
```

```
* protocol version will be detected, and connection
```

```
options will take their default values for that protocol
```

```
* version.
```

```
* <p/>
```

```
* The methods that may return this value are:
```

```
* {@link #getCoreConnectionsPerHost(HostDistance)},
```

```
* {@link #getMaxConnectionsPerHost(HostDistance)},
```

```
* {@link #getNewConnectionThreshold(HostDistance)},
```

```
* {@link #getMaxRequestsPerConnection(HostDistance)}.
```

```
*/
```

Found in path(s):

* /opt/cola/permits/1001043527_1607138325.95/0/cassandra-driver-core-3-3-0-sources-1-jar/com/datastax/driver/core/PoolingOptions.java

1.250 kafka-clients 1.1.0

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1.251 springfox-schema 2.6.1

1.252 simpleclient-common 0.0.23

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* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-jar/org/eclipse/jetty/http/HttpHeaders.java

* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-

```
jar/org/eclipse/jetty/http/gzip/AbstractCompressedStream.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/ssl/SslContextFactory.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpTokens.java
*
/opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/EncodedHttpURI.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpSchemes.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/AbstractGenerator.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpGenerator.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpStatus.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/Generator.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/Parser.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpMethods.java
*
/opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpBuffersImpl.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/MimeTypes.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/gzip/CompressedResponseWrapper.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/HttpException.java
* /opt/cola/permits/1001043554_1646171565.47/0/jetty-http-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/http/PathMap.java
```

1.254 reporter-config 3.0.3

1.255 zipkin-reporter 0.10.0

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1.260 jnr-posix 3.0.27

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/security/HashLoginService.java
* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/HashCrossContextPseudoSession.java

* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/DefaultUserIdentity.java

* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/SpnegoUserPrincipal.java

* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/SpnegoUserIdentity.java

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/SpnegoLoginService.java

* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/JDBCLoginService.java

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/authentication/SessionAuthentication.java

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/authentication/ClientCertAuthenticator.java

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/ConstraintSecurityHandler.java

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-jar/org/eclipse/jetty/security/authentication/FormAuthenticator.java

* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-

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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/security/authentication/LoginCallbackImpl.java
* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
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* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/security/authentication/DeferredAuthentication.java
* /opt/cola/permits/1001043161_1646171566.11/0/jetty-security-8-1-7-v20120910-sources-
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1.262 springfox-spi 2.6.1

1.263 netty-socketio 1.7.12

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* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
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* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
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/opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/protocol/JsonSupport.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/protocol/Packet.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/store/MemoryPubSubStore.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-

```

jar/com/corundumstudio/socketio/protocol/PacketType.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/DisconnectableHub.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/SocketIOServer.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/misc/CompositeIterable.java
*
/opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/listener/MultiTypeEventListener.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/AckMode.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/namespace/EventEntry.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/HandshakeData.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/BroadcastAckCallback.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/store/MemoryStoreFactory.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/store/pubsub/ConnectMessage.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/handler/InPacketHandler.java
*
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jar/com/corundumstudio/socketio/transport/PollingTransport.java
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jar/com/corundumstudio/socketio/ack/AckSchedulerKey.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/listener/DisconnectListener.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/SocketIOChannelInitializer.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
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* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/protocol/PacketEncoder.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/store/RedissonStoreFactory.java
*
/opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/handler/TransportState.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/handler/WrongUrlHandler.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
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* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-
jar/com/corundumstudio/socketio/protocol/PacketDecoder.java

* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/store/pubsub/DispatchMessage.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/protocol/AckArgs.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/store/pubsub/DisconnectMessage.java
*
/opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/transport/WebSocketTransport.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/store/MemoryStore.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/MultiTypeArgs.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/handler/ClientsBox.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/handler/SuccessAuthorizationListener.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/handler/ClientHead.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/misc/IterableCollection.java
*
/opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/MultiTypeAckCallback.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/listener/ExceptionListener.java
* /opt/cola/permits/1001043388_1607138354.46/0/netty-socketio-1-7-12-sources-1-jar/com/corundumstudio/socketio/JsonSupportWrapper.java

1.264 grpc-netty 1.5.0

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1.265 lz4-java 1.4

1.266 snappy-java 1.1.7.1

1.267 metrics-jvm 3.1.0

1.268 jnr-constants 0.9.0

1.269 springfox-swagger-ui 2.6.1

1.270 joda-time 2.4

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1.273 zipkin-sender-okhttp3 0.10.0

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Found in path(s):

* /opt/cola/permits/1001043709_1606874190.6/zipkin-sender-okhttp3-0-10-0-sources-1-jar/META-INF/maven/io.zipkin.reporter/zipkin-sender-okhttp3/pom.xml

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* /opt/cola/permits/1001043709_1606874190.6/0/zipkin-sender-okhttp3-0-10-0-sources-1-jar/zipkin/reporter/okhttp3/OkHttpSender.java

1.274 cassandra-thrift 3.11.0

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1.275 jetty-util 8.1.7.v20120910

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* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-jar/org/eclipse/jetty/util/IPAddressMap.java

* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-jar/org/eclipse/jetty/util/ajax/JSONObjectConvertor.java

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* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-jar/org/eclipse/jetty/util/Utf8StringBuffer.java

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* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-

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jar/org/eclipse/jetty/util/StringMap.java
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*
/opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ajax/JSONEnumConvertor.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ajax/JSON.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/log/Logger.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/preventers/AbstractLeakPreventer.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/thread/ThreadPool.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ssl/SslContextFactory.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/TypeUtil.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/component/AbstractLifecycle.java
*
/opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/MultiPartOutputStream.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ByteArrayISO8859Writer.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/preventers/DOMLeakPreventer.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/resource/JarResource.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/resource/FileResource.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/log/JettyAwareLogger.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/security/CertificateValidator.java
*
/opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/component/AggregateLifecycle.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/log/Slf4jLog.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/MultiMap.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ssl/AliasedX509KeyManager.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/ByteArrayOutputStream2.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/statistic/CounterStatistic.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/MultiPartWriter.java
*

```

```

/opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/Atomics.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/security/Password.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/Loader.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/Utf8StringBuilder.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/URIUtil.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/log/AbstractLogger.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/component/Destroyable.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/component/LifeCycle.java
*
/opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/thread/QueuedThreadPool.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/Attributes.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/resource/Resource.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/DateCache.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/MultiPartInputStream.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/preventers/AWTLeakPreventer.java
* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/util/thread/ShutdownThread.java
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```

```
/**
```

```

* @param c Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
*       2=DC_CONFIDENTIAL
*/

```

```
/**
```

```

* @return Data constrain indicator: 0=DC+NONE, 1=DC_INTEGRAL &
*       2=DC_CONFIDENTIAL
*/

```


Found in path(s):

* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-jar/org/eclipse/jetty/util/security/Constraint.java

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/*

* @(#)UnixCrypt.java 0.9 96/11/25

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/**

* Utf8 Appendable abstract base class

*

* This abstract class wraps a standard { @link java.lang.Appendable } and provides methods to append UTF-8 encoded bytes, that are converted into characters.

*

* This class is stateful and up to 4 calls to { @link #append(byte) } may be needed before state a character is appended to the string buffer.

*

* The UTF-8 decoding is done by this class and no additional buffers or Readers are used. The UTF-8 code was inspired by

* <http://bjoern.hoehrmann.de/utf-8/decoder/dfa/>

*

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*

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**/

Found in path(s):

* /opt/cola/permits/1001043725_1646171586.55/0/jetty-util-8-1-7-v20120910-sources-jar/org/eclipse/jetty/util/Utf8Appendable.java

1.276 grpc-protobuf-lite 0.15.0

1.276.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1001043738_1607486044.2/0/grpc-protobuf-lite-0-15-0-sources-1-jar/io/grpc/protobuf/lite/ProtoLiteUtils.java
* /opt/cola/permits/1001043738_1607486044.2/0/grpc-protobuf-lite-0-15-0-sources-1-jar/io/grpc/protobuf/lite/ProtoInputStream.java

1.277 springfox-core 2.6.1

1.278 jnr-ffi 2.0.7

1.279 kundera-core 3.13

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1.280 sigar 1.6.4

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Information: ftp://vic.cc.purdue.edu/pub/tools/unix/solaris/get_mib2/

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- getline by Chris Thewalt -

Information:

<http://tinyurl.com/r438r>

License: within `src/sigar_getline.c`

- PrintfFormat.java -

Information: <http://java.sun.com/developer/technicalArticles/Programming/sprintf/PrintfFormat.java>

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1.283 hazelcast-client-protocol 1.7.0-8

1.284 snowball-stemmer 1.3.0.581.1

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1.285 log4j-to-slf4j 2.11.2

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1.286 pam 1.1.8-3.6ubuntu2

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
-----  
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c  
+++ pam.ubuntu/modules/pam_motd/pam_motd.c  
@@ -73,6 +73,61 @@  
close(fd);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+ int retval = PAM_IGNORE, rc;  
+ char *user = NULL;  
+ char *dir = NULL;  
+ char *flag = NULL;  
+ struct passwd *pwd = NULL;  
+ struct stat s;  
+ int f;  
+ /* Get the user name to determine if we need to print the disclaimer */  
+ rc = pam_get_item(pamh, PAM_USER, &user);  
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')  
+ {  
+ PAM_MODUTIL_DEF_PRIVS(privs);  
+  
+  
+ /* Get the password entry */  
+ pwd = pam_modutil_getpwnam (pamh, user);  
+ if (pwd != NULL)  
+ {  
+ if (pam_modutil_drop_priv(pamh, &privs, pwd)) {  
+ pam_syslog(pamh, LOG_ERR,  
+ "Unable to change UID to %d temporarily\n",  
+ pwd->pw_uid);  
+ }  
+ }  
+ }  
+ }
```

```

+     retval = PAM_SESSION_ERR;
+     goto finished;
+ }
+
+ if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+     goto finished;
+ if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+     goto finished;
+
+ if (stat(flag, &s) != 0)
+ {
+     display_file(pamh, "/etc/legal");
+     mkdir(dir, 0700);
+     f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+     if (f>=0) close(f);
+ }
+
+finished:
+ if (pam_modutil_regain_priv(pamh,
+ &privs)) {
+     pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID back to %d\n", privs.old_uid);
+     retval = PAM_SESSION_ERR;
+ }
+
+ _pam_drop(flag);
+ _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
+ PAM_EXTERN
+ int pam_sm_open_session(pam_handle_t *pamh, int flags,
+     int argc, const char **argv)
+ @@ -116,6 +171,9 @@
+     /* Display the updated motd */
+     display_file(pamh, motd_path);
+
+     /* Display the legal disclaimer only if necessary */
+     retval = display_legal(pamh);
+
+     return retval;
+ }

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on
Wed, 23 Sep 1998 20:29:32 +0200.

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1.287 libxcb 1.13-1

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1.288 alpine-keys 2.1-r2

1.289 pcre 8.43-r0

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1.290 xauth 1.0.10-1

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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1.292 byte-buddy 1.9.3

1.293 mongo-java-driver 3.7.1

1.294 jna 4.1.0

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1.298 alpine-baselayout 3.1.0-r2

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1.300 jetty-continuation 8.1.7.v20120910

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```
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jar/org/eclipse/jetty/continuation/Servlet3Continuation.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/FauxContinuation.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/Continuation.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/ContinuationListener.java
*
/opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/ContinuationFilter.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/ContinuationSupport.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/ContinuationThrowable.java
* /opt/cola/permits/1001958795_1646171657.55/0/jetty-continuation-8-1-7-v20120910-sources-
jar/org/eclipse/jetty/continuation/Jetty6Continuation.java
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1.301 apr-util 1.6.1-2

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1.303 etcd 3.2.17+dfsg-1

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1.306 pipexec 2.5.5-1

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1.308 python-pyasn1-modules 0.2.1-0.2

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1.309 simpleclient-common 0.0.21

1.310 openssh 7.6p1-4ubuntu0.1

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* @version 3.0 (December 2000)

*

* Optimised ANSI C code for the Rijndael cipher (now AES)

*

* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

* @author Paulo Barreto <paulo.barreto@terra.com.br>

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/* \$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp \$ */

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*/

```

```

/* OPENBSD ORIGINAL: sys/sys/poll.h */

```

```

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

```

```

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

```

```

typedef unsigned int nfds_t;

```

```

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

```

```

#if 0

```

```

/* the following are currently not implemented */

```

```

#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100

```

```

#endif

#define INFTIM (-1) /* not
standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
/*
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*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))

```

```

#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int,
int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
/*
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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

```

1.311 lua 5.2.4-1.1build1

1.312 simpleclient-servlet 0.0.21

1.313 pwauth 2.3.11-0.2

1.314 libwebsockets 3.1.0

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- test-apps/*.h
- minimal-examples/*
- lws/*

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1.315 jetty-continuation 9.4.16.v20190411

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* org.eclipse.jetty.orbit;org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javafx.security.auth.message

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* org.eclipse.jetty.orbit:javafx.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.316 musl 1.1.19-r11

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1.317 iputils 20161105-1ubuntu3

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1.319 slf4j-log4j 1.7.5

1.320 golang-protobuf-extensions 1.0.1

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1.323 ghodss-yaml 1.0.0

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1.324 diskv 2.0.1

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1.325 hashicorp-uuid 1.0.1

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1.326 go-humanize 1.0.0

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1.327 jboss-logging 3.3.2.Final

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1.328 annotations 4.1.1.4

1.329 zstd 1.3.3+dfsg-2ubuntu1.1

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1.334 pcollections 3.0.5

1.335 libgpg-error 1.27-6

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1.336 open-ldap 2.4.45+dfsg-1ubuntu1.4

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```

```
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```

```
#!block inline
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```

1.337 apk-tools 2.10.4-r3

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```
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*
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```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/add.c
```

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/fetch.3

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/* commit.c - Alpine Package Keeper (APK)

* Apply solver calculated changes to database.

*

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/* update.c - Alpine Package Keeper (APK)

*

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*
* $FreeBSD: fetch.c,v 1.41 2007/12/19 00:26:36 des Exp $
*/
```

Found in path(s):

```
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```

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```
/* apk_hash.h - Alpine Package Keeper (APK)
```

```
*
```

```
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```

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```
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```

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```
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```

```
*
```

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*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_solver_data.h
```

No license file was found, but licenses were detected in source scan.

```
/* search.c - Alpine Package Keeper (APK)
```

```
*
```

```
* Copyright (C) 2005-2009 Natanael Copa <n@tanael.org>
```

```
* Copyright (C) 2008-2011 Timo Teräs <timo.teras@iki.fi>
```

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*
```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/search.c
```

No license file was found, but licenses were detected in source scan.

```
/* apk_blob.h - Alpine Package Keeper (APK)
```

```
*
```

```
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```

```
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*
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```

```
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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_blob.h
```

No license file was found, but licenses were detected in source scan.

```
/*-
```

```
* Copyright (c) 1998-2004 Dag-Erling Codan Smrgrav
```

```
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```

```
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```

```
*
```

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*
* $FreeBSD: common.c,v 1.53 2007/12/19 00:26:36 des Exp $
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/common.c
No license file was found, but licenses were detected in source scan.
```

```
/* io.c - Alpine Package Keeper (APK)
```

```
*
* Copyright (C) 2005-2008 Natanael Copa <n@tanael.org>
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*
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* by the Free Software Foundation. See http://www.gnu.org/ for details.
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/io.c
No license file was found, but licenses were detected in source scan.
```

```
/* blob.c - Alpine Package Keeper (APK)
```

```
*
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*/
```

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/blob.c

No license file was found, but licenses were detected in source scan.

/* version.c - Alpine Package Keeper (APK)

*

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*/

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/version.c

No license file was found, but licenses were detected in source scan.

/* apk.c - Alpine Package Keeper (APK)

*

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*/

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk.c

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/* fetch.c - Alpine Package Keeper (APK)

*

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*/

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/fetch.c

No license file was found, but licenses were detected in source scan.

```
/* solver.c - Alpine Package Keeper (APK)
```

```
* Up- and down-propagating, forwarding checking, deductive dependency solver.
```

```
*
```

```
* Copyright (C) 2008-2013 Timo Teräs <timo.teras@iki.fi>
```

```
* All rights reserved.
```

```
*
```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/solver.c
```

No license file was found, but licenses were detected in source scan.

```
/* apk_io.h - Alpine Package Keeper (APK)
```

```
*
```

```
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```

```
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```

```
*
```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_io.h
```

No license file was found, but licenses were detected in source scan.

```
/* common.c - Alpine Package Keeper (APK)
```

```
*
```

```
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```

```
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```

```
*
```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/common.c
```

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```
/* apk_provider_data.h - Alpine Package Keeper (APK)
```

```
*
```

```
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*/
```

Found in path(s):

```
*/opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_provider_data.h
```

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```
/* archive.c - Alpine Package Keeper (APK)
```

```
*
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* by the Free Software Foundation. See http://www.gnu.org/ for details.
*/
```

Found in path(s):

```
*/opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/archive.c
```

No license file was found, but licenses were detected in source scan.

```
/* implemented as luaL_typerror until lua 5.1, dropped in 5.2
```

```
* (C) 1994-2012 Lua.org, PUC-Rio. MIT license
*/
```

Found in path(s):

```
*/opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/lua-apk.c
```

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```
/* audit.c - Alpine Package Keeper (APK)
```

```
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```

Found in path(s):


```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/audit.c
No license file was found, but licenses were detected in source scan.
```

```
/* fix.c - Alpine Package Keeper (APK)
```

```
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```

```
Found in path(s):
```

```
* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/fix.c
No license file was found, but licenses were detected in source scan.
```

```
/*-
```

```
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* $FreeBSD: ftp.c,v 1.101 2008/01/23 20:57:59 des Exp $
*/
```

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/ftp.c

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/http.c

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* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/common.h
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/* dot.c - Alpine Package Keeper (APK)

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*/

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/dot.c
No license file was found, but licenses were detected in source scan.

/* url.c - Alpine Package Keeper (APK)

*
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Found in path(s):

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/* policy.c - Alpine Package Keeper (APK)

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/policy.c

No license file was found, but licenses were detected in source scan.

/* apk_defines.c - Alpine Package Keeper (APK)

*

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_defines.h

No license file was found, but licenses were detected in source scan.

/* list.c - Alpine Package Keeper (APK)

*

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No license file was found, but licenses were detected in source scan.

/* hash.c - Alpine Package Keeper (APK)

*

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* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/hash.c
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/* apk_solver.h - Alpine Package Keeper (APK)

*

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_solver.h
No license file was found, but licenses were detected in source scan.

/* apk_version.h - Alpine Package Keeper (APK)

*

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/* cache.c - Alpine Package Keeper (APK)

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*/

Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/cache.c

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/* info.c - Alpine Package Keeper (APK)

*

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/info.c

No license file was found, but licenses were detected in source scan.

/* apk_applet.h - Alpine Package Keeper (APK)

*

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_applet.h

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```
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 *
 * $FreeBSD: file.c,v 1.18 2007/12/14 10:26:58 des Exp $
 */
```

Found in path(s):

```
*/opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/file.c
```

No license file was found, but licenses were detected in source scan.

```
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*
* $FreeBSD: fetch.h,v 1.26 2004/09/21 18:35:20 des Exp $
*/

```

Found in path(s):

```

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/libfetch/fetch.h
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```

```

/* apk_package.h - Alpine Package Keeper (APK)
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```

Found in path(s):

```

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_package.h
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```

```

/* md5.h - Compute MD5 checksum of files or strings according to the
* definition of MD5 in RFC 1321 from April 1992.
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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/md5.h
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/* del.c - Alpine Package Keeper (APK)

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Found in path(s):

* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/del.c
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/* upgrade.c - Alpine Package Keeper (APK)

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* /opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/upgrade.c
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Found in path(s):

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/* verify.c - Alpine Package Keeper (APK)

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/* apk_print.h - Alpine Package Keeper (APK)

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/* package.c - Alpine Package Keeper (APK)

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/* print.c - Alpine Package Keeper (APK)

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/* stats.c - Alpine Package Keeper (APK)

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/* manifest.c - Alpine Package Keeper (APK)

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Found in path(s):

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```
/* apk_archive.c - Alpine Package Keeper (APK)
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```

Found in path(s):

```
*/opt/cola/permits/1006906399_1678963080.0928936/0/apk-tools-v2-10-4-zip/apk-tools-2.10.4/src/apk_archive.h
```

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```
/* apk_database.h - Alpine Package Keeper (APK)
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```

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```
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```

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```
/* template.c - Alpine Package Keeper (APK)
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```

Found in path(s):

```
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```

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```
/* ver.c - Alpine Package Keeper (APK)
```

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/* gunzip.c - Alpine Package Keeper (APK)

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1.338 zlib 1.2.11-r3

1.338.1 Available under license :

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1.339 curl 7.58.0-2ubuntu3.8

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License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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1.340 apt 1.6.12

1.340.1 Available under license :

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Version 2, June 1991

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1.343 procps 3.3.12-3ubuntu1.2

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1.344 libtls-standalone 2.9.1-r0

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1.345 libcap 2.27-r0

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```
--- a/main.c
+++ b/main.c
@@ -33,7 +33,7 @@
#include "extern.h"

#define AGREEMENT "https://letsencrypt.org" \
- "/documents/LE-SA-v1.1.1-August-1-2016.pdf"
+ "/documents/LE-SA-v1.2-November-15-2017.pdf"
#define SSL_DIR "/etc/ssl/acme"
#define SSL_PRIV_DIR "/etc/ssl/acme/private"
#define ETC_DIR "/etc/acme"
/*
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* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
*/
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.5
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
```

```

subpackages="$pkgname-list"

_types="html json rdfa rdft rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local
        license=${i##*/}
        echo "${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="4b4bcde554ee69e9e0703152a2d09e2a3c49314718d6b7e0847c0dff6a989d5d4684d152e899e8bbbb3b
a2767ded027eacfe1eb6aecff945ef2c5aa933cfd2ec license-list-data-3.5.tar.gz"
fix issues with fortify-headers and the way openssh handles the needed
BSD compatible realpath(3).

unconditionally use the provided realpath() as otherwise cross-builds
would try to use musl realpath() which is posix compliant and not
working to openssh expectations.

diff -ru openssh-7.2p2.orig/openshd-compat/openshd-compat.h openssh-7.2p2/openshd-compat/openshd-compat.h
--- openssh-7.2p2.orig/openshd-compat/openshd-compat.h 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openshd-compat/openshd-compat.h 2016-07-18 13:33:16.260357745 +0300
@@ -68,17 +68,7 @@
void *reallocarray(void *, size_t, size_t);

```

```

#endif

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
- * glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
- * compat version.
- */
-# ifdef BROKEN_REALPATH
-#  define realpath(x, y) _ssh_compat_realpath(x, y)
-# endif
-
-char *realpath(const char *path, char *resolved);
-#endif
+char *ssh_realpath(const char *path, char *resolved);

#ifndef
HAVE_RRESVPORT_AF
int rresvport_af(int *alport, sa_family_t af);
diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c 2016-07-18 13:33:45.420721690 +0300
@@ -31,7 +31,7 @@

#include "includes.h"

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
+#if 1

#include <sys/types.h>
#include <sys/param.h>
@@ -58,7 +58,7 @@
 * in which case the path which caused trouble is left in (resolved).
 */
char *
-realpath(const char *path, char *resolved)
+ssh_realpath(const char *path, char *resolved)
{
    struct stat sb;
    char *p, *q, *s;
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c 2016-07-18 13:34:29.131267241 +0300
@@ -1162,7 +1162,7 @@
}
debug3("request %u: realpath", id);
verbose("realpath
\\%s\\", path);
- if (realpath(path, resolvedname) == NULL) {

```

```
+ if (ssh_realpath(path, resolvedname) == NULL) {
    send_status(id, errno_to_portable(errno));
} else {
    Stat s;
```

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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/${_pkgreal}-${pkgver}.tar.gz"
```

```
builddir="$srcdir/${_pkgreal}-${pkgver}"
```

```
prepare() {
    default_prepare
```

```
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
```

```
build() {
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make
}
```

```
check() {
    cd "$builddir"
```

```
make test
```

```
}
```

```
package() {
```

```
cd "$builddir"
```

```
make DESTDIR="$pkgdir" install
```

```
find
```

```
"$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
```

```
}
```

```
sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16  
dfa5417f663b8065ba65f4fea16dc9262728b3b6b85 BSD-Resource-1.2911.tar.gz"
```

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```

diff --git a/tests/t0501-duplicate.sh b/tests/t0501-duplicate.sh
index 66d321a..0520131 100644
--- a/tests/t0501-duplicate.sh
+++ b/tests/t0501-duplicate.sh
@@ -18,7 +18,11 @@
. "${srcdir=.}/init.sh"; path_prepend_ ../parted .

+arch=$(uname -m)
for t in msdos gpt bsd; do
+  if [ "$t" = bsd ] && [ "$sarch" = "s390x" ]; then
+    continue
+  fi
    duplicate $t || fail=1
done
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2"
"

builddir="$srcdir"/libart-lgpl-$pkgver

prepare() {
  cd "$builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "$builddir"
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
  make
}

package() {

```

```
cd "$builddir"
make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
mini_sendmail - accept email on behalf of real sendmail
```

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```
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# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
```



```

cd "$builddir"
python3 setup.py build || return 1
}

package() {
cd "$builddir"
python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-
0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e
2417b586e543bfba12abce256b2023c8c4993eeb90
flake8-copyright-0.2.0.tar.gz"

```

1.346 libsmi 0.4.8

1.346.1 Available under license :

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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.

Version: 1.1.2

Entered-date: 23MAR97

Description: C-functions for parsing command line options, both traditional one-character options, and GNU'ish --long-options.

Keywords: programming, library, lib, commandline, options

Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)

Primary-site: <http://www.ifi.uio.no/~sverrehu/pub-unix/>

Alternate-site: [sunsite.unc.edu/pub/Linux/libs shhopt-1.1.2.tar.gz](http://sunsite.unc.edu/pub/Linux/libs/shhopt-1.1.2.tar.gz)

Platforms: Requires ANSI C-compiler.

Copying-policy: BeerWare: If you have the time and money, send me a bottle of your favourite beer. If not, just send me a mail or something. Copy and use as you wish; just leave the author's name where you find it.

1.347 openorb 1.4.0

1.347.1 Available under license :

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1.348 jackson 2.9.10

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1.349 libressl 2.7.4-r1

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Source code for a work means the preferred form of the work for making

modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.

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when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License.

Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the  
program `Gnomovision' (a program to direct compilers to make passes  
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

That's all there is to it!

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Version 2.0, January 2004
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```
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-
jar/org/powermock/reflect/internal/ParameterTypesMatcher.java
```

```
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-
jar/org/powermock/reflect/internal/comparator/ComparatorFactory.java
```

```
*
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-
jar/org/powermock/reflect/internal/CandidateConstructorSearcher.java
```

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* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/TypeUtils.java

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* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/exceptions/ConstructorNotFoundException.java
*
/opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/WhiteboxImpl.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/matcherstrategies/FieldTypeMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/matcherstrategies/FieldNameMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/exceptions/MethodInvocationException.java
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* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/exceptions/TooManyConstructorsFoundException.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/exceptions/FieldNotFoundException.java
*
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* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/matcherstrategies/AllFieldsMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/exceptions/TooManyMethodsFoundException.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/primitivesupport/PrimitiveWrapper.java
* /opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/matcherstrategies/FieldAnnotationMatcherStrategy.java
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*
/opt/ws_local/PERMITS_SQL/1009932845_1591381029.79/0/powermock-reflect-2-0-2-sources-jar/org/powermock/reflect/internal/matcherstrategies/AssignableFromFieldTypeMatcherStrategy.java
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1.353 httpcomponents-client 4.5.6

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1.365 simpleclient 0.7.0

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1.366 simpleclient-common 0.7.0

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1.367 jdk-zulu 8.40.0.25

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```

```
package java.security;
```

```
/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a { @code java.io.FilePermission } object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * { @code java.lang.RuntimePermission },
 * that
 * don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
```

- * the { @code implies } method to compare Permissions. Basically,
- * "permission p1 implies permission p2" means that
- * if one is granted permission p1, one is naturally granted permission p2.
- * Thus, this is not an equality test, but rather more of a
- * subset test.
- *
- * <P> Permission objects are similar to String objects in that they
- * are immutable once they have been created. Subclasses should not
- * provide methods that can change the state of a permission
- * once it has been created.
- *
- * @see Permissions
- * @see PermissionCollection
- *
- *
- * @author Marianne Mueller
- * @author Roland Schemers
- */

```
public abstract class Permission implements Guard, java.io.Serializable {
```

```
    private static final long serialVersionUID = -5636570222231596674L;
```

```
    private String name;
```

```
    /**
```

```
     * Constructs a permission
with the specified name.
```

```
     *
```

```
     * @param name name of the Permission object being created.
```

```
     *
```

```
    */
```

```
    public Permission(String name) {
```

```
        this.name = name;
```

```
    }
```

```
    /**
```

```
     * Implements the guard interface for a permission. The
     * { @code SecurityManager.checkPermission } method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
```

```
     *
```

```
     * @param object the object being guarded (currently ignored).
```

```
     *
```

```
     * @throws SecurityException
```

```
     *     if a security manager exists and its
```

```

*   {@code checkPermission} method doesn't allow access.
*
* @see Guard
* @see GuardedObject
* @see SecurityManager#checkPermission
*
*/
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * <p>The {@code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
 * false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the {@code equals} method for making access control
 * decisions; use the {@code implies} method.
 *
 * @param obj the object we are testing for equality with
this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <P>

```

```

* The required { @code hashCode } behavior for Permission Objects is
* the following:
* <ul>
* <li>Whenever it is invoked on the same Permission object more than
* once during an execution of a Java application, the
* { @code hashCode } method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
* </li>If two Permission objects are equal according to the
* { @code equals }
* method, then calling the { @code hashCode } method on each of the
* two Permission objects must produce the same integer result.
* </ul>
*
* @return a hash code value for this
object.
*/

```

```

public abstract int hashCode();

```

```

/**
* Returns the name of this Permission.
* For example, in the case of a { @code java.io.FilePermission },
* the name will be a pathname.
*
* @return the name of this Permission.
*
*/

```

```

public final String getName() {
    return name;
}

```

```

/**
* Returns the actions as a String. This is abstract
* so subclasses can defer creating a String representation until
* one is needed. Subclasses should always return actions in what they
* consider to be their
* canonical form. For example, two FilePermission objects created via
* the following:
*
* <pre>
* perm1 = new FilePermission(p1,"read,write");
* perm2 = new FilePermission(p2,"write,read");
* </pre>
*
* both return

```

```

* "read,write" when the { @code getActions } method is invoked.
*
* @return the actions of this Permission.
*
*/

public abstract
String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies } method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " \" \" + name + "\")";
    } else {
        return "(" + getClass().getName() + " \" \" + name +
            "\" \" + actions + "\")";
    }
}
}
}
/**

```

```

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*/
```

```
package java.security.acl;
```

```
/**  
 * This interface represents a permission, such as that used to grant  
 * a particular type of access to a resource.  
 *  
 * @author Satish Dharmaraj  
 */  
public interface Permission {  
  
    /**  
     * Returns true if the object passed matches the permission represented  
     * in this interface.  
     *  
     * @param another the Permission object to compare with.  
     *  
     * @return true if the Permission objects are equal, false otherwise  
     */  
    public boolean equals(Object another);  
  
    /**  
     * Prints a string representation of this permission.  
     */  
}
```

```
* @return the string representation of the permission.  
*/  
public String toString();  
  
}
```

1.368 jackson 2.10.1

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1.369 jackson-databind 2.10.1

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1.370 slf4j 1.7.29

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1.371 classmate 1.5.1

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1.373 jackson-module-parameter-names

2.9.10

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1.379 libtasn 4.13-2

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (see <http://www.digicool.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property.

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2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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To

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A "covered work" means either the unmodified Program or a work based on the Program.

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To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices"

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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```
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- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.388 ncurses 6.1-1ubuntu1.18.04

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c

lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c

lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropr_rpc.c
slave/kproprlog.c

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.393 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c

+++ pam.ubuntu/modules/pam_motd/pam_motd.c

@@ -73,6 +73,61 @@

close(fd);

}

+int display_legal(pam_handle_t *pamh)

+{

+ int retval = PAM_IGNORE, rc;

+ char *user = NULL;

+ char *dir = NULL;

```

+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+     PAM_MODUTIL_DEF_PRIVS(privs);
+
+
+     /* Get the password entry */
+     pwd = pam_modutil_getpwnam (pamh, user);
+     if (pwd != NULL)
+     {
+         if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID to %d temporarily\n",
+                 pwd->pw_uid);
+             retval = PAM_SESSION_ERR;
+             goto finished;
+         }
+
+         if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+             goto finished;
+         if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+             goto finished;
+
+         if (stat(flag, &s) != 0)
+         {
+             display_file(pamh, "/etc/legal");
+             mkdir(dir, 0700);
+             f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+             if (f>=0) close(f);
+         }
+
+     +finished:
+         if (pam_modutil_regain_priv(pamh,
+             &privs)) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID back to %d\n", privs.old_uid);
+             retval = PAM_SESSION_ERR;
+         }
+
+         _pam_drop(flag);
+         _pam_drop(dir);
+     }

```

```

+ }
+ return retval;
+}
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+ retval = display_legal(pamh);
+
    return retval;
}

```

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on Wed, 23 Sep 1998 20:29:32 +0200.

It was downloaded from <ftp://ftp.kernel.org/pub/linux/libs/pam/pre/>

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1.394 plugin-properties 2.0.3

1.395 jsonpb 1.3.2

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1.396 grpc-go 1.24.0

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1.397 inf 0.9.1

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1.398 jackson-module-afterburner 2.9.10

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1.399 xmlsec-java 2.0.4

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1.408 musl 1.1.24-r0

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1.409 alpine-baselayout 3.2.0-r3

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
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it under the terms of the GNU General Public License as published by  
the Free  
Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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```
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```

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```
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```

`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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1.414 bash 5.0.11-r1

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```

```
## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

```
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC
```

```
## Additional flags when building libraries and with threads
```



```

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ :/g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ :/g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
$(RM) $@ && ln -s ${<F} $@

```

```
%. $(SO): %. $(SO). $(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}. $(SO). $(SO_TARGET_VERSION) $@
```

```
## Bind internal references
```

```
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
```

```
# Dependencies [i.e. map files] for the final library
BIR_DEPS=
```

```
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
```

```
## End BSD-specific setup
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1.420 e2fsprogs 1.44.1-1ubuntu1.3

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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```

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GNU General Public License for more details.
```

```
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```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY;
for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#

This is a Makefile stub which handles the creation of BSD shared
libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'/'\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

```
clean::
$(RM)
-rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the `ss` command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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The most recent officially distributed version can be found at <http://e2fsprogs.sourceforge.net>. If you need to make a distribution, that's the one you should use. If there is some reason why you'd like a more recent version that is still in ALPHA testing (i.e., either using the "WIP" test distributions or one from the `hg` or `git` repository from the development branch, please contact me

(tytso@mit.edu)

before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o

23-June-2007

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Version 2, June 1991

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```
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```

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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the work is itself a library. The threshold for this to be true is not precisely defined by law.

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.421 tdb 1.3.16

1.421.1 Available under license :

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1.422 free-type 2.10.1

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2006-Jan-27

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o freetype@nongnu.org

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o freetype-devel@nongnu.org

Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

Our home page can be found at

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--- end of FTL.TXT ---

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#

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#

Don't put empty lines into this file!

#

.gitignore

#

builds/unix/pkg.m4

#

docs/FTL.TXT

docs/GPLv2.TXT

#

include/freetype/internal/fthash.h

#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

src/bdf/bdfdrivr.c

src/bdf/bdfdrivr.h

src/bdf/bdferror.h

src/bdf/bdflib.c

src/bdf/module.mk

src/bdf/README

src/bdf/rules.mk

#

src/pcf/module.mk

src/pcf/pcf.c

src/pcf/pcf.h

src/pcf/pcfdrivr.c

src/pcf/pcfdrivr.h

src/pcf/pcferror.h

src/pcf/pcfread.c

src/pcf/pcfread.h

src/pcf/pcfutil.c

```
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
EOF
```

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1.423 jul-to-slf4j 1.7.30

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1.424 httpcomponents-core 4.4.13

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1.425 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2.1

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1.427 python-ldap 3.0.0-1ubuntu0.1

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1.428 vcs 1.13.1

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1.429 xstrings 1.2.0

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1.430 commons-pool 2.8.0

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1.431 golang-glog 0.0.1

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1.432 Icms 1.19.dfsg-1.2ubuntu5.1

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

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Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob

Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
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Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
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Henke, Joachim
Hideaki, YOSHIFUJI
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
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Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
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Kasal, Stepan
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King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
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Larsen, Case
Levin, Dmitry V.
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MacKenzie, David J.
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Emin
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Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Mller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
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Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio

Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
SATO, Yuichi
Snchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
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Simon, Thor Lancelot
Slemko, Marc
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Stier, Matthew
Stoeckmann, Tobias
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Tarrall, Robert
Thomas, Matthew
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Tucker, Darren
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Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
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Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
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Ferreira, Rafael
Garca-Fontes, Walter
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Qun, Trn Ngc
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris

Taniguchi, Yasuaki
Tomat, Fbio
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

1.435 pb v1.0.2

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1.439 jcl-over-slf4j 1.7.30

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1.440 apk-tools 2.10.5-r0

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.442 sqlite 3.22.0-1ubuntu0.2

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1.444 jregistrykey 1.4.2

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When a program is linked with a library, whether statically or using

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the

object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany

the work with the complete corresponding

machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of

interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The

"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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1.446 slf4j 1.7.30

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1.447 musl 1.1.24-r2

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1.448 xiang90-probing 0.0.1

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1.449 icu 60.2-3ubuntu3.1

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```
## Commands to generate dependency files
```

```

GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation
rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $$@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $$@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $$@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $$@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp

```

```

@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g^" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
$(RM) $@ && ln -s ${<F} $@
%.${SO}: %.${SO}.${SO_TARGET_VERSION_MAJOR}
$(RM) $@ && ln -s ${*F}.${SO}.${SO_TARGET_VERSION} $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
This package was debianized by Jay Berkenbilt <qjb@debian.org> on
August 5, 2005.
The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on
Tue, 17 Mar 2015.

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1.452 socket.io-client 1.0.0

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1.453 jakarta-annotation-api 1.3.4

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*/

Found in path(s):

* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Qualifier.java


```
* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/package-  
info.java  
* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Named.java  
*  
/opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Provider.java  
* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Scope.java  
* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Singleton.java  
* /opt/cola/permits/1028157840_1654022864.2536578/0/jakarta-inject-2-5-0-sources-jar/javax/inject/Inject.java
```

1.456 hazelcast-wm 3.8.1

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1.457 commons-dbcp 2.7.0

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1.458 perl 5.30.1-r0

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program 'Gnomovision' (a program to direct compilers
to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>."

build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: 1.4
name: Module-Build
resources:
MailingList: <mailto:module-build@perl.org>
license: <http://dev.perl.org/licenses/>
repository: <http://github.com/dagolden/module-build/>
version: 3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<one line to give the program's name and a brief idea of what it does.>  
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```

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```

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
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```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License.

Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

```
That's all there is to it!
#!perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people

working on older releases. It should be run before making a new release.

```
=cut
```

```
use strict;  
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {  
    skip_all( "Not all files are available during cross-compilation" );  
}
```

```
my ($opt) = @ARGV;
```

```
my $readme_year = readme_year();  
my $v_year = v_year();
```

```
# Check that both copyright dates are up-to-date, but only if requested, so  
# that tests still pass for people intentionally working on older versions:  
if ($opt eq '--now')  
{  
    my $current_year = (gmtime)[5] + 1900;  
    is $v_year, $current_year, 'perl -v copyright includes current  
    year';  
    is $readme_year, $current_year, 'README copyright includes current year';  
}
```

```
# Otherwise simply check that the two copyright dates match each other:  
else  
{  
    is $readme_year, $v_year, 'README and perl -v copyright dates match';  
}
```

```
done_testing;
```

```
sub readme_year
```

```
# returns the latest copyright year from the top-level README file  
{
```

```
    open my $readme, '<', './README' or die "Opening README failed: $!";
```

```
    # The copyright message is the first paragraph:
```

```
    local $/ = "";
```

```
    my $copyright_msg = <$readme>;
```

```
    my ($year) = $copyright_msg =~ /\b(\d{4,})/s
```

```
        or die "Year not found in README copyright message '$copyright_msg'";
```

```
$year;  
}
```

```
sub v_year  
# returns the latest copyright year shown in perl -v  
{  
  
my $output = runperl switches => ['-v'];  
my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i  
    or die "Copyright statement not found in perl -v output '$output'";  
  
$year;  
}
```

```
$year;  
}
```

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```


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program `Gnomovision' (a program to direct compilers to make passes
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1.460 mitchellh-mapstructure 1.2.2

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1.461 go-toml 1.7.0

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1.463 go-codec 1.1.7

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1.464 lua-sec 0.8

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1.465 apache-http-server 2.4.29-1ubuntu4.13

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```
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<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
```

```

<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
/>
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
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</div>

</div>

<div class="bottomlang">

<p>Available Languages: en </p>

</div><div class="top"></div><div

class="section"><h2>Comments</h2><div

class="warning">Notice:
This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the documentation or server, and may be removed again by our moderators if they are either implemented or considered invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC channel, #httpd, on Freenode, or sent to our mailing lists.</div>

<script type="text/javascript"><!--><![CDATA[//><!--

var comments_shortcode = 'httpd';

var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';

(function(w, d) {

if (w.location.hostname.toLowerCase() == "httpd.apache.org") {

d.write('<div id="comments_thread"></div>');

var s = d.createElement('script');

s.type = 'text/javascript';

s.async = true;

s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +

comments_identifier;

(d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);

}

else {

d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');

}

})(window, document);

//><!--></script></div><div id="footer">

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<p class="menu">Modules | Directives | FAQ | Glossary | Sitemap</p></div><script type="text/javascript"><!--><![CDATA[//><!--

if (typeof(prettyPrint) !== 'undefined') {

prettyPrint();

}

//><!--></script>

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```
/*
 * NCSA HTTPd Server
 * Software Development Group
 * National Center for Supercomputing Applications
 * University of Illinois at Urbana-Champaign
 * 605 E. Springfield, Champaign, IL 61820
 * httpd@ncsa.uiuc.edu
 *
 * Copyright (C) 1995, Board of Trustees of the University of Illinois
 *
 */
 *
 * md5.c: NCSA HTTPd code which uses the md5c.c RSA Code
 *
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 *
 */
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For the test\zb.c component:

/* ZeusBench V1.01

=====

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

1.466 apache-http-server 2.4.29-1ubuntu4.13

1.466.1 Available under license :

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"

```


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</div>

</div>

<div class="bottomlang">

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class="warning"><strong>Notice:</strong><br
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var comments_shortname = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
  }
  else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
  }
})(window, document);
--><![></script></div><div id="footer">
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href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--><![CDATA[</script><!--
if (typeof(prettyPrint) !== 'undefined') {
  prettyPrint();
}
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</body></html>

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For the server\util_md5.c component:

/******

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* Software Development Group
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu

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=====
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

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khash
=====

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=====

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====

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jiffy

=====

Files: c_src/* src/* test/*.t

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Google double-conversion

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Yajl Test Cases

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Files: test/cases/*.json

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* [src/externals.rst \(http://davispij.com/2010/09/26/new-couchdb-externals-api.html\)](http://davispij.com/2010/09/26/new-couchdb-externals-api.html)

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Version 1.1

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Any executables

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1.473 jackson-databind 2.9.10.4

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1.474 nginx 0.09

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1.475 luajit 2.1.0

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1.476 grpc-gateway 1.9.5

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1.477 properties 1.8.1

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1.478 commons-lang3 2.6

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1.479 zap 1.10.0

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1.480 go-grpc-prometheus 1.2.0

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1.481 go-runewidth 0.0.2

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1.482 coreos-semver 0.2.0

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man/errc.3bsd

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man/fmtcheck.3bsd

man/humanize_number.3bsd

man/stringlist.3bsd

man/timeval.3bsd

src/fmtcheck.c

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src/stringlist.c

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man/closefrom.3bsd
man/expand_number.3bsd
man/flopen.3bsd
man/getpeereid.3bsd
man/pidfile.3bsd
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man/fparsefn.3bsd

src/fparsefn.c

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man/readpassphrase.3bsd

man/strncpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random_openbsd.h

src/arc4random_uniform.c

src/arc4random_unix.h

src/closefrom.c

src/getentropy_aix.c

src/getentropy_bsd.c

src/getentropy_hpux.c

src/getentropy_hurd.c

src/getentropy_linux.c

src/getentropy_osx.c

src/getentropy_solaris.c

src/readpassphrase.c

src/reallocarray.c

src/strlcat.c

src/strncpy.c

src/strtonum.c

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include/bsd/md5.h

src/hash/md5.c

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Any executables

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src/bsd_getopt.c
src/err.c
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include/bsd/sys/bitstring.h
include/bsd/sys/queue.h
include/bsd/sys/time.h
include/bsd/timeconv.h
include/bsd/vis.h
man/bitstring.3bsd
man/errc.3bsd
man/explicit_bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
man/funopen.3bsd
man/getbsize.3bsd
man/heapsort.3bsd
man/nlist.3bsd
man/queue.3bsd
man/radixsort.3bsd
man/reallocarray.3bsd
man/reallocf.3bsd

man/setmode.3bsd
man/strmode.3bsd
man/strnstr.3bsd
man/unvis.3bsd
man/vis.3bsd
man/wcsncpy.3bsd
src/getbsize.c
src/heapsort.c
src/merge.c
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include/bsd/stringlist.h
man/fmtcheck.3bsd
man/humanize_number.3bsd
man/stringlist.3bsd
man/timeval.3bsd
src/fmtcheck.c
src/humanize_number.c
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include/bsd/sys/endian.h
man/byteorder.3bsd
man/closefrom.3bsd
man/expand_number.3bsd
man/flopen.3bsd
man/getpeereid.3bsd
man/pidfile.3bsd
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src/hash/sha512.h
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src/fparseln.c

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man/readpassphrase.3bsd

man/strncpy.3bsd

man/strtonum.3bsd

src/arc4random.c

src/arc4random_openbsd.h

src/arc4random_uniform.c

src/arc4random_unix.h

src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
src/getentropy_linux.c
src/getentropy_osx.c
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1.487 openssl 1.1.1d

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```

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```
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```

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The End

1.488 vim 8.0.1453-1ubuntu1.3

1.489 gnutls 3.5.18-1ubuntu1.1

1.489.1 Available under license :

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Constant-time SSSE3 AES core implementation.

version 0.1

##

By Mike Hamburg (Stanford University), 2009

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```

```
<signature of Ty Coon>, 1 April 1989
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The End

1.491 commons-compress 1.20

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1.492 urfave-cli 1.18.0

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The End

1.495 okhttp 3.12.6

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1.496 gson 1.2.1

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*

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the

work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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@enumerate a

@item

The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item

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@enumerate

a

@item

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@item

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@item

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@item

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

Convey the object

code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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```
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Version 2.1, February 1999

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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```

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Written by: Philip Hazel
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Written by: Philip Hazel
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 */
```

[zlib]

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.3, July 18th, 2005
```

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Jean-loup Gailly Mark Adler
jloup@gzip.org madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

*/

[dialyzer]

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[hipe]

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[edoc, syntax_tools]

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[eldap]

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1.520 go-systemd v20

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1.522 masterminds-semver 1.3.1

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1.525 x-crypto v0.0.0-20181025213731-e84da0312774

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1.527 eclipse-compiler 3.21.0.v20200304-1404

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1.540 tomcat-jasper-el 9.0.35

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/opt/ws_local/PERMITS_SQL/1047772531_1590609345.91/0/tomcat-jaspic-api-9-0-35-sources-jar/javax/security/auth/message/MessageInfo.java

* /opt/ws_local/PERMITS_SQL/1047772531_1590609345.91/0/tomcat-jaspic-api-9-0-35-sources-jar/javax/security/auth/message/AuthStatus.java

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jar/javax/security/auth/message/config/ServerAuthConfig.java
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1.542 tomcat-storeconfig 9.0.35

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```

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```

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```
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```

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Ty Coon, President of Vice

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1.551 musl 1.1.24-r4

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1.552 grpc-api 1.29.0

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServiceProviders.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalLogId.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerStreamTracer.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalWithLogId.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalServiceProviders.java
```

```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ProxyDetector.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ForwardingChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalServerInterceptors.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalStatus.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalInstrumented.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/StreamTracer.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ClientStreamTracer.java
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* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerTransportFilter.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/CallCredentials.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/BindableService.java
*
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalKnownTransport.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/NameResolverProvider.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ConnectivityState.java
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jar/io/grpc/InternalMethodDescriptor.java
```

```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/CallCredentials2.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalNotifyOnServerBuild.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/LoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalMetadata.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/SecurityLevel.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServiceDescriptor.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalDecompressorRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Grpc.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
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```
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jar/io/grpc/ClientInterceptor.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/ClientCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerInterceptor.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Status.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ClientInterceptors.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Drainable.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
```

```
jar/io/grpc/ServerInterceptors.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerServiceDefinition.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Metadata.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/KnownLength.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerMethodDefinition.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Channel.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/MethodDescriptor.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/ServerCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/HandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Server.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerCallHandler.java
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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ManagedChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ForwardingServerCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Internal.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/StatusRuntimeException.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/PartialForwardingServerCallListener.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
```


jar/io/grpc/ForwardingClientCallListener.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/EquivalentAddressGroup.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/Compressor.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/package-
info.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ManagedChannel.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ExperimentalApi.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerBuilder.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/StatusException.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/DecompressorRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Attributes.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ForwardingServerCallListener.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Contexts.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/CallOptions.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/NameResolver.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ForwardingClientCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/Decompressor.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ServerProvider.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/PartialForwardingServerCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-jar/io/grpc/Codec.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ManagedChannelProvider.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/CompressorRegistry.java

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```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/BinaryLog.java
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```
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/PartialForwardingClientCallListener.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ChannelLogger.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/SynchronizationContext.java
*
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/PartialForwardingClientCall.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalManagedChannelProvider.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/LoadBalancerProvider.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/LoadBalancerRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
```

```
jar/io/grpc/InternalChannelz.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/InternalClientInterceptors.java
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jar/io/grpc/InternalCallOptions.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/ProxiedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/HttpConnectProxiedSocketAddress.java
*
/opt/ws_local/PERMITS_SQL/1049750739_1591457766.58/0/grpc-api-1-29-0-sources-
jar/io/grpc/NameResolverRegistry.java
```

1.553 grpc-context 1.29.0

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* /opt/ws_local/PERMITS_SQL/1049750450_1591457508.64/0/grpc-context-1-29-0-sources-jar/io/grpc/ThreadLocalContextStorage.java

* /opt/ws_local/PERMITS_SQL/1049750450_1591457508.64/0/grpc-context-1-29-0-sources-jar/io/grpc/Deadline.java

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* /opt/ws_local/PERMITS_SQL/1049750450_1591457508.64/0/grpc-context-1-29-0-sources-jar/io/grpc/PersistentHashMapMappedTrie.java

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* /opt/ws_local/PERMITS_SQL/1049750450_1591457508.64/0/grpc-context-1-29-0-sources-jar/io/grpc/Context.java

1.554 grpc-core 1.29.0

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* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ClientCallImpl.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerStream.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/Stream.java

*

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractClientStream.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerImpl.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ReadableBuffers.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/MessageFramer.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractServerImplBuilder.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/StreamListener.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerListener.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/SerializingExecutor.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ClientTransportFactory.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/GrpcUtil.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/CompositeReadableBuffer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerTransportListener.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/SharedResourceHolder.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ReadableBuffer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerStreamListener.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/Http2ClientStreamTransportState.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ClientStream.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/MutableHandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ClientStreamListener.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractReadableBuffer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractServerStream.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/TransportFrameUtil.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/MessageDeframer.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ForwardingReadableBuffer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractStream.java
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* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/InUseStateAggregator.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/FailingClientStream.java

*

/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ClientTransport.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ConnectivityStateManager.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ObjectPool.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ForwardingConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/OobChannel.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/LogExceptionRunnable.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/StatsTraceContext.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/KeepAliveManager.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/AbstractSubchannel.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ConnectionClientTransport.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/SubchannelChannel.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/FailingClientTransport.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/InternalHandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ManagedClientTransport.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/MetadataApplierImpl.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ManagedChannelImpl.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/SharedResourcePool.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/RoundRobinLoadBalancer.java

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- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ContextRunnable.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/inprocess/InProcessServerBuilder.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/DnsNameResolver.java
- *
- /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/package-info.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/NoopClientStream.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/WritableBuffer.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/InternalServer.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerCallImpl.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/PickFirstLoadBalancer.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/inprocess/InProcessTransport.java
- *
- /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/inprocess/InProcessServer.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ExponentialBackoffPolicy.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/DelayedStream.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/DelayedClientTransport.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerTransport.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/DnsNameResolverProvider.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/Http2Ping.java
- * /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/inprocess/InProcessChannelBuilder.java
- *

/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/WritableBufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/inprocess/package-info.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/InternalSubchannel.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/BackoffPolicy.java

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* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/ForwardingLoadBalancerHelper.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/PickFirstLoadBalancerProvider.java

*

/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/HedgingPolicy.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ServerCallInfoImpl.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/ForwardingLoadBalancer.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/RetryPolicy.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ForwardingClientStream.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/SecretRoundRobinLoadBalancerProvider.java

* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/internal/ForwardingClientStreamListener.java

```
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ServiceConfigInterceptor.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ServiceConfigUtil.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/Rescheduler.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ChannelLoggerImpl.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ChannelTracer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/IndiResourceResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ForwardingManagedChannel.java
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```
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ManagedChannelServiceConfig.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ConscryptLoader.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ServiceConfigState.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/InsightBuilder.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
```

jar/io/grpc/util/GracefulSwitchLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/util/ForwardingClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/util/ForwardingSubchannel.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/TransportProvider.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/JsonUtil.java
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* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/TransportTracer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-jar/io/grpc/util/package-
info.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/FixedObjectPool.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ForwardingNameResolver.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/LongCounter.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/AtomicLongCounter.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/CallTracer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/AtomicBackoff.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/GrpcAttributes.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-

```
jar/io/grpc/internal/Deframer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/GzipInflatingBuffer.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ProxyDetectorImpl.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ReflectionLongAdderCounter.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/ApplicationThreadDeframer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/TimeProvider.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/Framer.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/RetriableStream.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/LongCounterFactory.java
* /opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
*
/opt/ws_local/PERMITS_SQL/1049750457_1591356218.71/0/grpc-core-1-29-0-sources-
jar/io/grpc/internal/OverrideAuthorityNameResolverFactory.java
```

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd

- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd

- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- jsp_2_3.xsd
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- web-common_3_1.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd

- web-fragment_4_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd

- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd

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Schemas for Java EE Deployment Descriptors:

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
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1.559 tomcat-i18n-fr 9.0.35

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd

- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd

- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
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may be obtained from:

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1.561 tomcat-i18n-pt-br 9.0.35

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1.562 tomcat-i18n-ru 9.0.35

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- javaee_web_services_1_2.xsd

- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd

- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

Apache Tomcat JDBC Pool

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd

- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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The original XML Schemas for Java EE Deployment Descriptors:

- javaee_5.xsd
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- javaee_6.xsd

- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
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may be obtained from:

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1.564 tools-ant 1.9.15

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1.565 netty-transport-native-unix-common

4.1.50.Final

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* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/PreferredDirectByteBufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_buffer.h
*
/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/Buffer.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_buffer.c
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* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/Errors.java
*
/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_socket.h
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/Socket.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/DomainSocketReadMode.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/FileDescriptor.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_socket.c
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java
*
/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_errors.h
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_filedescriptor.h
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_errors.c
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_filedescriptor.c
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/UnixChannel.java
*
/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
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* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_limits.h

* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/Limits.java

*

/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java

* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_limits.c

* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/netty_unix_util.c

* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-

sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-
sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-
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sources-jar/io/netty/channel/unix/IovArray.java  
* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-  
sources-jar/io/netty/channel/unix/package-info.java  
*  
/opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-  
sources-jar/io/netty/channel/unix/UnixChannelOption.java  
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* /opt/ws_local/PERMITS_SQL/1053317302_1592032328.97/0/netty-transport-native-unix-common-4-1-50-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java

1.566 mergo 0.3.9

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import: ../../../../fossene/db/schema/thing.yml

fields:

site: string

author: root

1.567 nghttp2 1.40.0

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1.568 curl 7.58.0-2ubuntu3.9

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1.569 udev 237-3ubuntu10.41

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Copyright: 2008 Red Hat, Inc.

2008 Ian Kent <raven@themaw.net>

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Files: src/basic/sparse-endian.h

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Files: src/journal/lookup3.c
src/journal/lookup3.h

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Files: src/udev/*

Copyright: 2003-2012 Kay Sievers <kay@vrfy.org>

2003-2004 Greg Kroah-Hartman <greg@kroah.com>

2004 Chris Friesen <chris_friesen@sympatico.ca>

2004, 2009, 2010 David Zeuthen <david@fubar.dk>

2005, 2006 SUSE Linux Products GmbH

2003 IBM Corp.

2007 Hannes Reinecke <hare@suse.de>

2009 Canonical Ltd.

2009 Scott James Remnant <scott@netsplit.com>

2009 Martin Pitt <martin.pitt@ubuntu.com>

2009 Piter Punk <piterpunk@slackware.com>

2009, 2010 Lennart Poettering

2009 Filippo Argiolas <filippo.argiolas@gmail.com>

2010 Maxim Levitsky

2011 ProFUSION embedded systems

2011 Karel Zak <kzak@redhat.com>

2014 Zbigniew Jdrzejewski-Szmek <zbyszek@in.waw.pl>

2014 David Herrmann <dh.herrmann@gmail.com>

2014 Carlos Garnacho <carlosg@gnome.org>

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Files: src/udev/udev-ctrl.c

src/udev/udevadm-hwdb.c

src/udev/udev-builtin.c

src/udev/udev-builtin-net_id.c

src/udev/udev-builtin-net_setup_link.c

src/udev/udev-builtin-hwdb.c

src/udev/udev-builtin-btrfs.c

src/udev/udev-builtin-keyboard.c

src/udev/net/link-config.h

src/udev/net/link-config.c

src/udev/net/ethtool-util.c

src/udev/net/ethtool-util.h

Copyright: 2007-2013 Kay Sievers <kay@vrfy.org>

2013 Tom Gundersen <teg@jklm.no>

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Files: src/udev/scsi_id/scsi.h

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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/X509Configurer.java
*
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/AuthenticationConfigBuilder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/reactive/ServerHttpSecurityConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/oauth2/server/resource/OAuth2ResourceServer
```


Configurer.java

```
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/CachingUserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/HeadersConfigurer.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/socket/AbstractSecurityWebSocketMessageBrokerConfigu
rer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/AuthenticationManagerBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/method/GlobalMethodSecurityBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/GlobalMethodSecurityConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/GlobalMethodSecuritySelector.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/oauth2/client/OAuth2ClientConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/web/server/ServerHttpSecurity.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configuration/OAuth2ClientConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/reactive/WebFluxSecurityConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configuration/AuthenticationConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/FormLoginBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/UrlAuthorizationConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/reactive/ReactiveOAuth2ClientImportSelector.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/HttpBasicConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/AbstractAuthenticationFilterConfigurer.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/ExceptionHandlerConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/MethodSecurityMetadataSourceAdvisorR
egistrar.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/builders/WebSecurity.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
```

```

jar/org/springframework/security/config/annotation/web/configurers/CorsConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/CsrfConfigurer.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/CorsBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/core/userdetails/UserDetailsResourceFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/SecurityContextConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/HeadersBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/HttpConfigurationBuilder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configuration/WebSecurityConfigurerAdapter.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/SessionManagementConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configurers/ldap/LdapAuthenticationProviderCon
figurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/configuration/AutowireBeanFactoryObjectPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/websocket/WebSocketMessageBrokerSecurityBeanDefinitionParser.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/oauth2/client/CommonOAuth2Provider.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/ServletApiConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/ExpressionUrlAuthorizationConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configuration/EnableWebSecurity.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/AbstractRequestMatcherRegistry.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configuration/OAuth2ImportSelector.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/AuthenticationManagerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/oauth2/client/OAuth2ClientConfigurerUtils.jav
a
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/builders/HttpSecurity.java

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jar/org/springframework/security/config/annotation/method/configuration/ReactiveMethodSecuritySelector.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/core/userdetails/ReactiveUserDetailsServiceResourceFactoryBean.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/core/userdetails/UserDetailsMapFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/EnableReactiveMethodSecurity.java
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jar/org/springframework/security/config/annotation/web/configurers/oauth2/client/ImplicitGrantConfigurer.java
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jar/org/springframework/security/config/web/server/AbstractServerWebExchangeMatcherRegistry.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/ReactiveMethodSecurityConfiguration.ja
va
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configuration/GlobalAuthenticationConfigurerAd
apter.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/web/server/SecurityWebFiltersOrder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/HandlerMappingIntrospectorFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/CsrfBeanDefinitionParser.java
*
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/HttpSecurityBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/LogoutBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/WebConfigUtils.java

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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/PortMappingsBeanDefinitionParser.java

*

/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/authentication/package-info.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/HttpFirewallBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/messaging/MessageSecurityMetadataSourceRegistry.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/ldap/LdapUserServiceBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/package-info.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/authentication/AbstractUserDetailsServiceBeanDefinitionParser.java

*

/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/http/ChannelAttributeFactory.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/ldap/package-info.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/DebugBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/method/MethodSecurityMetadataSourceBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-

jar/org/springframework/security/config/http/MatcherType.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/ldap/LdapServerBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/UserDetailsServiceFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/Js250MetadataSourceConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/SessionCreationPolicy.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/DefaultFilterChainValidator.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/UserServiceBeanDefinitionParser.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/PasswordEncoderParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/method/ProtectPointcutPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/ldap/ContextSourceSettingPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/AuthenticationProviderBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/SecurityFilters.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/method/InterceptMethodsBeanDefinitionDecorator.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/package-info.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/BeanIds.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/authentication/JdbcUserServiceBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/method/package-info.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/core/GrantedAuthorityDefaults.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/FilterChainMapBeanDefinitionDecorator.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/FilterInvocationSecurityMetadataSourceParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/FilterChainBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/Elements.java

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* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configuration/InitializeUserDetailsBeanManager
Configurer.java
```

```
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/http/RememberMeBeanDefinitionParser.java
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*
 /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configuration/InitializeAuthenticationProviderBe
anManagerConfigurer.java
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```
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
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```

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- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/servlet/configuration/WebMvcSecurityConfiguration.java
- *
- /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/authentication/configurers/userdetails/AbstractDaoAuthenticationConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configuration/AutowiredWebSecurityConfigurersIgnoreParents.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/authentication/builders/AuthenticationManagerBuilder.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/ChannelSecurityConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/authentication/ProviderManagerBuilder.java
- *
- /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/method/configuration/EnableGlobalMethodSecurity.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/JeeConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configuration/WebSecurityConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/RequestCacheConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/AbstractHttpConfigurer.java
- *
- /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/WebSecurityConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/authentication/configurers/provisioning/InMemoryUserDetailsManagerConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/servlet/configuration/EnableWebMvcSecurity.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/SecurityConfigurerAdapter.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/SecurityConfigurer.java
- *
- /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/web/configurers/openid/OpenIDLoginConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-jar/org/springframework/security/config/annotation/authentication/configurers/provisioning/JdbcUserDetailsManagerConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-

jar/org/springframework/security/config/annotation/AlreadyBuiltException.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/configuration/ObjectPostProcessorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configurers/userdetails/DaoAuthenticationConfig
urer.java
*
/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/AbstractConfigAttributeRequestMatcherRegist
ry.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/AnonymousConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configurers/userdetails/UserDetailsAwareConfig
urer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/FormLoginConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configuration/WebMvcSecurityConfiguration.java
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/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configuration/EnableGlobalAuthentication.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/AbstractSecurityBuilder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configurers/provisioning/UserDetailsManagerCo
nfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/method/configuration/GlobalMethodSecurityAspectJAutoProxy
Registrar.java
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/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/DefaultLoginPageConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/PortMapperConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/AbstractConfiguredSecurityBuilder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/configurers/AbstractInterceptUrlConfigurer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/builders/FilterComparator.java
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/opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/web/HttpSecurityBuilder.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/authentication/configurers/userdetails/UserDetailsServiceConfig
urer.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-

jar/org/springframework/security/config/annotation/web/configurers/PermitAllSupport.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
jar/org/springframework/security/config/annotation/ObjectPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1064074861_1593159328.54/0/spring-security-config-5-1-7-release-sources-
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jar/org/springframework/security/config/debug/SecurityDebugBeanFactoryPostProcessor.java
```

1.572 libseccomp 2.4.3-1ubuntu3.18.04.2

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1.577 glibc 2.27-3ubuntu1.2

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/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/PooledDuplicatedByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/WrappedCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/PooledSlicedByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java

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/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/search/SearchProcessor.java
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```
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PooledHeapByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/META-
INF/native-image/io.netty.buffer/native-image.properties
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```
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufAllocatorMetric.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PooledByteBufAllocatorMetric.java
*
/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
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* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
```

jar/io/netty/buffer/PoolChunk.java
*
/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/SlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PoolChunkList.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/Unpooled.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PooledByteBufAllocator.java
*
/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/CompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PoolSubpage.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/SwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/AbstractByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PoolArena.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufInputStream.java
*
/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/ByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PoolThreadCache.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-
jar/io/netty/buffer/PooledByteBuf.java

*
/opt/ws_local/PERMITS_SQL/1068233880_1594324310.84/0/netty-buffer-4-1-50-final-sources-1-jar/io/netty/buffer/UnpooledHeapByteBuf.java

1.582 netty-resolver 4.1.50.Final

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* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/SimpleNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/NoopAddressResolver.java
*
/opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/NameResolver.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/AddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/NoopAddressResolverGroup.java
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* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/META-INF/maven/io.netty/netty-resolver/pom.xml

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* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/ResolvedAddressTypes.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/HostsFileEntries.java

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* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/DefaultNameResolver.java

*

/opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/HostsFileEntriesResolver.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/AddressResolver.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/InetSocketAddressResolver.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/AbstractAddressResolver.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/HostsFileParser.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/InetNameResolver.java

* /opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java

*

/opt/ws_local/PERMITS_SQL/1068233887_1594324468.34/0/netty-resolver-4-1-50-final-sources-1-jar/io/netty/resolver/DefaultAddressResolverGroup.java

1.583 netty-codec 4.1.50.Final

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/Headers.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/EmptyHeaders.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/string/package-info.java

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/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/CorruptedFrameException.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/ByteToMessageDecoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/JZlibEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageToMessageDecoder.java

*

/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DecoderException.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/ZlibUtil.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageAggregator.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/ReplayingDecoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/bytes/package-info.java

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*

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/ZlibDecoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/xml/package-info.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/PrematureChannelClosureException.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/TooLongFrameException.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/EncoderException.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/ByteToMessageCodec.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java

*

/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageToMessageEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/package-info.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/JZlibDecoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/string/StringEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java

*

/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/Delimiters.java
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DecoderResult.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Snappy.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-

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jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/compression/DecompressionException.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Encoder.java
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jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
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jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/CodecException.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
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jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
```


* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Rand.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
*
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/FastLz.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Lz4Constants.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/MessageAggregationException.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
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/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/compression/Bzip2Constants.java
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*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-

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jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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/**

* Utility class for { @link ByteBuffer } that encodes and decodes to and from

* [Base64](http://en.wikipedia.org/wiki/Base64) notation.

* <p>

*

The encoding and decoding algorithm in this class has been derived from

* [Robert Harder's Public Domain](http://iharder.sourceforge.net/current/java/base64/)

* Base64 Encoder/Decoder.

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/ValueConverter.java

*
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/string/LineSeparator.java

*

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jar/io/netty/handler/codec/compression/ByteBufChecksum.java

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jar/io/netty/handler/codec/DateFormatter.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/CodecOutputList.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/DatagramPacketEncoder.java

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-

jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/compression/CompressionUtil.java
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*/
```

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```
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-  
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java  
* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-  
jar/io/netty/handler/codec/compression/Crc32c.java  
*  
/opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-  
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java  
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*/
```

```
/**  
* A decoder that splits the received {@link ByteBuf}s dynamically by the
```

- * value of the length field in the message. It is particularly useful when you
- * decode a binary message which has an integer header field that represents the
- * length of the message body or the whole message.

*

<p>

- * { @link LengthFieldBasedFrameDecoder } has many configuration parameters so
- * that it can decode any message with a length field, which is often seen in
- * proprietary client-server protocols. Here are some example that will give
- * you the basic idea on which option does what.

*

* <h3>2 bytes length field at offset 0, do not strip header</h3>

*

- * The value of the length field in this example is <tt>12 (0x0C)</tt> which
- * represents the length of "HELLO, WORLD". By default, the decoder assumes
- * that the length field represents the number of the bytes that follows the
- * length field. Therefore, it can be decoded with the simplistic parameter
- * combination.

* <pre>

- * lengthFieldOffset = 0
- * lengthFieldLength = 2
- * lengthAdjustment = 0
- * initialBytesToStrip = 0 (= do not strip header)

*

* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)

* +-----+-----+ +-----+-----+

* | Length | Actual Content

|---->| Length | Actual Content |

* | 0x000C | "HELLO, WORLD" | | 0x000C | "HELLO, WORLD" |

* +-----+-----+ +-----+-----+

* </pre>

*

* <h3>2 bytes length field at offset 0, strip header</h3>

*

- * Because we can get the length of the content by calling
- * { @link ByteBuf#readableBytes() }, you might want to strip the length
- * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
- * specified <tt>2</tt>, that is same with the length of the length field, to
- * strip the first two bytes.

* <pre>

- * lengthFieldOffset = 0
- * lengthFieldLength = 2
- * lengthAdjustment = 0
- * initialBytesToStrip = 2 (= the length of the Length field)

*

* BEFORE DECODE (14 bytes) AFTER DECODE (12 bytes)

* +-----+-----+ +-----+-----+

* | Length | Actual Content |---->| Actual Content |

* | 0x000C | "HELLO, WORLD" | | "HELLO, WORLD" |

```

* +-----+-----+ +-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
*   represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Length | Actual
  Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |   |   |
  0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

```


* This is an advanced example that shows the case where there is an extra header between the length field and the message body. You have to specify a positive `lengthAdjustment` so that the decoder counts the extra header into the frame length calculation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |   | 0x00000C | 0xCAFE | "HELLO,
* WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the lengthFieldOffset and the extra
* header affects the lengthAdjustment. We also specified a non-zero
* initialBytesToStrip to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify 0 for initialBytesToSkip.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the

```

```

* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from

```

```
* <a href="http://i harder.sourceforge.net/current/java/base64/">Robert
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* Base64 Encoder/Decoder</a>.
*/
```

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* /opt/ws_local/PERMITS_SQL/1068233848_1594324549.89/0/netty-codec-4-1-50-final-sources-1-
jar/io/netty/handler/codec/base64/Base64Dialect.java
```

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/DefaultChannelHandlerContext.java
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*/

/**

* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline }.

*

* <h3>Sub-types</h3>

* <p>

* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
subtypes:

*

* { @link

ChannelInboundHandler } to handle inbound I/O events, and

* { @link ChannelOutboundHandler } to handle outbound I/O operations.

*

* </p>

* <p>

* Alternatively, the following adapter classes are provided for your convenience:

*

* { @link ChannelInboundHandlerAdapter } to handle inbound I/O events,

* { @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and

* { @link ChannelDuplexHandler } to handle both inbound and outbound events

*

* </p>

* <p>

* For more information, please refer to the documentation of each subtype.

* </p>

```

*
* <h3>The context object</h3>
* <p>
* A { @link ChannelHandler } is provided with a { @link ChannelHandlerContext }
* object. A { @link ChannelHandler } is supposed to interact with the
* { @link ChannelPipeline } it belongs to via a context object. Using the
* context object, the { @link ChannelHandler } can pass events upstream or
* downstream, modify the pipeline dynamically,
* or store the information
* (using { @link AttributeKey }s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A { @link ChannelHandler } often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends { @link SimpleChannelInboundHandler } &lt;Message &gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     { @code @Override }
*     public void channelRead0({ @link ChannelHandlerContext } ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
* </pre>
*
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends { @link ChannelInitializer } &lt; { @link Channel } &gt; {

```

```

*   { @code @Override }
*   public void initChannel({ @link Channel } channel) {
*       channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*   }
* }
*
* </pre>
*
* <h4>Using { @link AttributeKey }s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey }s which is provided by
* { @link ChannelHandlerContext }:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* { @code @Sharable }
* public class DataServerHandler extends { @link SimpleChannelInboundHandler }&lt;Message&gt; {
*     private final { @link AttributeKey }&lt;{ @link Boolean }&gt; auth =
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth") };
*
*     { @code @Override }
*     public void channelRead({ @link ChannelHandlerContext } ctx, Message message) {
*         { @link Attribute }&lt;{ @link Boolean }&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
* </pre>
*
* Now that the state
of the handler is attached to the { @link ChannelHandlerContext }, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer }&lt;{ @link Channel }&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

```

```

*
*  { @code @Override}
*  public void initChannel({ @link Channel} channel) {
*      channel.pipeline().addLast("handler", <b>SHARED</b>);
*  }
* }
* </pre>
*
*
* <h4>The { @code @Sharable} annotation</h4>
* <p>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* <p>
* If a { @link ChannelHandler} is annotated with the { @code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create
* a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the { @link ChannelHandler}, and
* { @link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelHandler.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/NioChannelOption.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/internal/package-info.java

*

/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/FailedChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-


```
jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/PendingBytesTracker.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
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jar/io/netty/channel/socket/DatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedChannel.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/CombinedChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/oio/AbstractOioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/local/LocalChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
*
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/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/ChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/NioDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/AbstractServerChannel.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelOption.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelFutureListener.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/local/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/nio/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ThreadPerChannelEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/SocketChannelConfig.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/local/LocalAddress.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-

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jar/io/netty/channel/VoidChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/FailedChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/group/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/group/CombinedIterator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/DefaultEventLoop.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/NioTask.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/DatagramPacket.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/local/LocalEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/nio/NioServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelOutboundHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/Channel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/oio/OioDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/AbstractChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/EventLoop.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/embedded/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelFlushPromiseNotifier.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/FixedRecvByteBufAllocator.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/nio/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/ServerBootstrap.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/local/LocalServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultFileRegion.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelPipelineException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/FileRegion.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelMetadata.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/EventLoopException.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelPromiseAggregator.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/DefaultChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-

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jar/io/netty/channel/socket/InternetProtocolFamily.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/AbstractNioByteChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/NioEventLoop.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/nio/NioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelInitializer.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/EventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/DefaultChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/oio/OioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/RecvByteBufAllocator.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/ServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/bootstrap/Bootstrap.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/socket/ServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/SucceededChannelFuture.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-  
jar/io/netty/bootstrap/package-info.java
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/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-  
jar/io/netty/channel/oio/AbstractOioByteChannel.java
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jar/io/netty/channel/AbstractEventLoop.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-  
jar/io/netty/channel/ReflectiveChannelFactory.java
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jar/io/netty/channel/ChannelFactory.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-  
jar/io/netty/channel/embedded/EmbeddedChannelId.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-  
jar/io/netty/channel/PendingWriteQueue.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/SelectStrategy.java
*
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/SelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultSelectStrategy.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelOutboundInvoker.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/DuplexChannel.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/ServerBootstrapConfig.java
*
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/bootstrap/BootstrapConfig.java
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/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/ChannelGroup.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelId.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelOutboundBuffer.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/MessageSizeEstimator.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultChannelId.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ConnectTimeoutException.java

*

/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultAddressedEnvelope.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/DefaultChannelGroup.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultMessageSizeEstimator.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/group/ChannelGroupException.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/ChannelProgressiveFuture.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/AddressedEnvelope.java

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/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-

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jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/SimpleChannelInboundHandler.java
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jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/group/ChannelMatchers.java
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jar/io/netty/bootstrap/ChannelFactory.java
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jar/io/netty/channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
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jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-
jar/io/netty/channel/pool/ChannelPool.java
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jar/io/netty/channel/pool/ChannelPoolMap.java
```

* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java

*
/opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/pool/FixedChannelPool.java
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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

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* /opt/ws_local/PERMITS_SQL/1068233910_1594324277.63/0/netty-transport-4-1-50-final-sources-1-jar/io/netty/channel/EventLoopTaskQueueFactory.java
*
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1.585 netty-handler 4.1.50.Final

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/DelegatingSslContext.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-

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jar/io/netty/handler/flow/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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jar/io/netty/handler/flush/FlushConsolidationHandler.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslSession.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java

*

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/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SniCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslClientHelloHandler.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/AbstractSniHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/PemReader.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
```

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jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ipfilter/IpFilterRule.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkSslContext.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslUtils.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkSslClientContext.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslProvider.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SniHandler.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java

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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSsl.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ipfilter/package-info.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslServerContext.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionStats.java

*

/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JdkSslEngine.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SslContext.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JdkSslServerContext.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ipfilter/IpFilterRuleType.java

*

/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslContext.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/CipherSuiteFilter.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java

*

/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ipfilter/UniqueIpFilter.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/JettyNpnSslEngine.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslX509Certificate.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-

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jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/OpenSslClientContext.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
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jar/io/netty/handler/logging/ByteBufFormat.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-
jar/io/netty/handler/address/ResolveAddressHandler.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/IdleState.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/logging/LogLevel.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedFile.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/util/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedNioStream.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/NotSslRecordException.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/package-info.java

* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/TimeoutException.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/package-info.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/IdleStateHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/SslHandler.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/stream/ChunkedInput.java
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* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
*
/opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ClientAuth.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1068233959_1594326118.13/0/netty-handler-4-1-50-final-sources-1-

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
*
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
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jar/io/netty/handler/codec/http/DefaultHttpContent.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/InterfaceHttpData.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker00.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpContentDecompressor.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpContentEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java
```

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/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/PongWebSocketFrame.java

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java

* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/MixedAttribute.java

* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryFileUpload.java

*

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/DefaultCookie.java

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 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpRequestEncoder.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostRequestEncoder.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/HttpDataFactory.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostBodyUtil.java
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 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpObjectDecoder.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker07.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java
 *
 /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/multipart/DiskAttribute.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpRequestDecoder.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpHeaders.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpClientCodec.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/package-info.java
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 /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpContentCompressor.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpResponse.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketVersion.java
 * /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-

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jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/DiskFileUpload.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdySession.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/Attribute.java
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jar/io/netty/handler/codec/http/multipart/FileUpload.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpMethod.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/BinaryWebSocketFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/DefaultHttpHeaders.java
*
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jar/io/netty/handler/codec/rtsp/RtspVersions.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspResponseStatuses.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/DefaultHttpObject.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpResponseDecoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpMessage.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspHeaders.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspRequestEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/LastHttpContent.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspMethods.java

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jar/io/netty/handler/codec/rtsp/RtspResponseDecoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/InternalAttribute.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpObject.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketHandshakeException.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/HttpData.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpResponseStatus.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpConstants.java
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/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpContent.java
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jar/io/netty/handler/codec/http/websocketx/TextWebSocketFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/HttpResponseEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/QueryStringDecoder.java
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jar/io/netty/handler/codec/http/HttpServerCodec.java
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jar/io/netty/handler/codec/spdy/package-info.java
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jar/io/netty/handler/codec/http/HttpVersion.java
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/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/rtsp/RtspRequestDecoder.java

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jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
*
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*

/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java

*

/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java

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jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
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java
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jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java

*

/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java

* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
*

/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java
*

/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
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jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
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jar/io/netty/handler/codec/http/FullHttpResponse.java
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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*
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jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
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jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java

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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/FullHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
*
/opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
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jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/spdy/SpdyVersion.java
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jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1068253706_1594328103.29/0/netty-codec-http-4-1-50-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
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1.587 netty-transport-native-epoll 4.1.50.Final

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*
/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/package-info.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
*
/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
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*/
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
*/
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*
/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/netty_epoll_linuxsocket.c
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/netty_epoll_linuxsocket.h

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*/
/**
* Set the { @code TCP_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
*/

*/
/**
* Set the { @code TCP_QUICKACK } option on the socket. See TCP_QUICKACK
* for more details.
*/

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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

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Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/epoll/EpollDatagramChannelConfig.java
```

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```
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/io/netty/channel/epoll/Native.java
```

```
*/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-
jar/netty_epoll_native.c
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* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
*
/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollMode.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java
*
/opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /opt/ws_local/PERMITS_SQL/1068253685_1594325782.24/0/netty-transport-native-epoll-4-1-50-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java

1.588 boot-starter 2.1.10.RELEASE

1.588.1 Available under license :

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1068333932_1595004236.83/0/spring-boot-starter-2-1-10-release-sources-2-jar/META-INF/maven/org.springframework.boot/spring-boot-starter/pom.xml
```

1.589 netty-codec-http 4.1.48.Final

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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
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jar/META-INF/native-image/io.netty.codec-http/native-image.properties
```

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jar/io/netty/handler/codec/http/HttpChunkedInput.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
```

```
*
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```
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
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```
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpStatusClass.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
```

```
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HTTPHeaderValues.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java
*
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java

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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.j
ava
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
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jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/ClientCookieEncoder.java
*
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jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java
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jar/io/netty/handler/codec/http/multipart/Attribute.java
*
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jar/io/netty/handler/codec/http/HttpVersion.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/MixedAttribute.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspRequestEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpDataFactory.java
*
 /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/package-info.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/Cookie.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/ContinuationWebSocketFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpRequestDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
```

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jar/io/netty/handler/codec/http/HttpResponseEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/HttpPostRequestDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketHandshakeException.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpHeaderDateFormat.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/HttpContentDecoder.java
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jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/multipart/FileUpload.java
*
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker08.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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jar/io/netty/handler/codec/http/HttpClientCodec.java
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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/cors/CorsHandler.java

* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/cors/CorsConfig.java

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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java

*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java

*

/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java

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jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/FullHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibEncoder.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
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jar/io/netty/handler/codec/spdy/SpdyFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/cors/package-info.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaders.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
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jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyPingFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/FullHttpResponse.java

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*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameDecoder.java
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jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
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jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java
* /opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
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jar/io/netty/handler/codec/spdy/SpdyVersion.java
*
/opt/ws_local/PERMITS_SQL/1068448911_1594389097.85/0/netty-codec-http-4-1-48-final-sources-1-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java

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1.590 ecj 3.21.0

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jar/javassist/expr/ExprEditor.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/NewExpr.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/Callback.java
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* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/BadBytecode.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/URLClassPath.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/MemberCodeGen.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/SourceFileAttribute.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/util/proxy/ProxyObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/ConstantAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/SignatureAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/Symbol.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/NestHostAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/DeprecatedAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/analysis/Util.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/SyntheticAttribute.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/expr/ConstructorCall.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/stackmap/Tracer.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/InstructionPrinter.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/NestMembersAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/web/BadHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/Bytecode.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/LongVector.java
*

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/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/analysis/Analyzer.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/Modifier.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/analysis/Type.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/convert/TransformNew.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/Lex.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/annotation/AnnotationsWriter.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/ast/IntConst.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/tools/reflect/Reflection.java
 *
 /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/ast/Member.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/tools/rmi/AppletServer.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/MemberResolver.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/tools/rmi/RemoteException.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/ExceptionTable.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/ast/ASTList.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/analysis/Executor.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/ByteStream.java
 *
 /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/expr/Cast.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/bytecode/ClassFile.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/util/proxy/SerializedProxy.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/compiler/Javac.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/expr/NewExpr.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/convert/TransformReadField.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
 jar/javassist/LoaderClassPath.java

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* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/AttributeInfo.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/Translator.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/AccessFlag.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtMethod.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/CodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/Stmnt.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/ClassPoolTail.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/annotation/AnnotationImpl.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/Pair.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/util/proxy/DefineClassHelper.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtNewMethod.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/Loader.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/SymbolTable.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/FieldInfo.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtNewWrappedMethod.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/reflect/CannotReflectException.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtConstructor.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/Parser.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/util/HotSwapper.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/MethodDecl.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/ClassPool.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-

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jar/javassist/bytecode/CodeIterator.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/ClassClassPath.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/ByteArrayClassPath.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/proxy/ProxyFactory.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/ByteArray.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/ClassMap.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/proxy/DefinePackageHelper.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/expr/MethodCall.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/DoubleConst.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/proxy/MethodHandler.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/reflect/Loader.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/CtField.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/CtNewClass.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/proxy/Proxy.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/expr/Handler.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/framedump.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/JvstTypeChecker.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/HotSwapAgent.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/ClassFilePrinter.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/JvstCodeGen.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/StackMap.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/analysis/ControlFlow.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/KeywordTable.java
 *
 /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ProceedHandler.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/CtBehavior.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/convert/TransformCall.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/FieldDecl.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
 *
 /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/CastExpr.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/runtime/Desc.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/util/proxy/MethodFilter.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/ClassPath.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/Variable.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/reflect/Sample.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/CondExpr.java
 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/analysis/SubroutineScanner.java
 *
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 * /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-

jar/javassist/util/proxy/ProxyObject.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/MethodInfo.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/expr/Instanceof.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/LineNumberAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/analysis/Subroutine.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/expr/NewArray.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/NoFieldException.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/NotFoundException.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtClassType.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/scopedpool/SoftValueHashMap.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/ExceptionsAttribute.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/Expr.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/Descriptor.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/ArrayInit.java
*
/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/ast/StringL.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/analysis/IntQueue.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/util/proxy/FactoryHelper.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/convert/TransformBefore.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/ClassFileWriter.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/SyntaxError.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/CtPrimitiveType.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/AnnotationDefaultAttribute.java
*
*

/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/rmi/RemoteRef.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/CtNewConstructor.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/CallExpr.java
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/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/tools/rmi/StubGenerator.java
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* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/compiler/ast/ASTree.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/StackMapTable.java
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jar/javassist/compiler/TypeChecker.java
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jar/javassist/runtime/Cflow.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/reflect/CannotCreateException.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/compiler/CompileError.java
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jar/javassist/convert/TransformAfter.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
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jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/util/proxy/SecurityActions.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/web/Webserver.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/tools/Dump.java
* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-
jar/javassist/bytecode/ConstPool.java

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* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/StringMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/IntegerMemberValue.java

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/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/Annotation.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/ByteMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/FloatMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/MemberValue.java

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/opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/ShortMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/ClassMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/BooleanMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/LongMemberValue.java

* /opt/ws_local/PERMITS_SQL/1068708327_1594455721.14/0/javassist-3-27-0-ga-sources-jar/javassist/bytecode/annotation/MemberValueVisitor.java

1.592 spring-aop 5.1.11.RELEASE

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- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/ControlFlowPointcut.java
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- /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/scope/ScopedProxyUtils.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/ObjenesisCglibAopProxy.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/ClassFilter.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/annotation/AnnotationMatchingPointcut.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/MethodMatcher.java
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- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/CglibAopProxy.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/MethodMatchers.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/ComposablePointcut.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/AbstractAdvisorAutoProxyCreator.java
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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
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 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/config/AdvisorEntry.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
 *
 /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/IntroductionInfo.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/config/PointcutEntry.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
 jar/org/springframework/aop/target/SimpleBeanTargetSource.java

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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/scope/DefaultScopedObject.java
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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/AopProxy.java
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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/AfterAdvice.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/RawTargetAccess.java

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jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java

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jar/org/springframework/aop/framework/adapter/AfterReturningAdviceInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/config/AopConfigUtils.java

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*
/opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/AdvisedSupport.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/support/StaticMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJAdviceParameterNameDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/NotAnAtAspectException.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/adapter/ThrowsAdviceInterceptor.java
*
/opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/config/AopNamespaceUtils.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/support/RegexpMethodPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/Advised.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/DeclareParentsAdvisor.java
*
/opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/interceptor/AsyncExecutionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/IntroductionAwareMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/scope/ScopedProxyFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/aopalliance/intercept/ConstructorInvocation.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/support/StaticMethodMatcherPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/InstantiationModelAwarePointcutAdvisorImpl.java
*
/opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/ProxyConfig.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/framework/ProxyProcessorSupport.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java

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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/target/HotSwappableTargetSource.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/MethodInvocationProceedingJoinPoint.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
 *
 /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/AopContext.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/interceptor/SimpleAsyncUncaughtExceptionHandler.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/ProxyCreatorSupport.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/DynamicMethodMatcher.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/RuntimeTestWalker.java
 *
 /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/target/AbstractPrototypeBasedTargetSource.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/target/AbstractBeanFactoryBasedTargetSourceCreator.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/aopalliance/intercept/MethodInterceptor.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/AdvisorChainFactory.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/target/EmptyTargetSource.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/aopalliance/aop/AspectException.java
 *
 /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/AbstractBeanFactoryAwareAdvisingPostProcessor.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/target/QuickTargetSourceCreator.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/AbstractRegexpMethodPointcut.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/target/dynamic/AbstractRefreshableTargetSource.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/support/IntroductionInfoSupport.java
 * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
 *

/opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/AbstractAdvisingBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/MethodBeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/autoproxy/BeanFactoryAdvisorRetrievalHelper.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/AspectJExpressionPointcut.java
* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/target/CommonsPool2TargetSource.java
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* /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/ThrowsAdvice.java
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- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java
- *
- /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/TargetClassAware.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/ProxyMethodInvocation.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java
- * /opt/ws_local/PERMITS_SQL/1068791527_1594461084.89/0/spring-aop-5-1-11-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java

1.593 spring-boot-autoconfigure

2.1.10.RELEASE

1.593.1 Available under license :

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- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/ConditionalOnRepositoryType.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/ JerseyApplicationPath.java
- *
- /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/kafka/ ConcurrentKafkaListenerContainerFactoryConfigurer.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateJpaConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/rest/RepositoryRestProperties.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/jms/JmsAnnotationDrivenConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/solr/package-info.java
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- /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/package-info.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/DataSourceBeanCreationFailureAnalyzer.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/mongo/MongoAutoConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/condition/ResourceCondition.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jRepositoriesAutoConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/transaction/jta/JtaAutoConfiguration.java
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- /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/jdbc/JdbcRepositoriesAutoConfiguration.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/redis/JedisClientConfigurationBuilderCustomizer.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/condition/ConditionEvaluationReportAutoConfigurationImportListener.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/security/package-info.java
- * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/mongo/MongoClientDependsOnBeanFactoryPostProcessor.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/AllNestedConditions.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQConnectionFactoryCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/ReactiveWebServerFactoryAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mongo/embedded/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/reactive/StaticResourceRequest.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/websocket/servlet/UndertowWebSocketServletWebServerCustomizer.j
ava
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/liquibase/LiquibaseSchemaManagementProvider.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/thymeleaf/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/template/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveRepositoriesAutoConfiguration.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnClassCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheEnvironmentCollector.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnExpressionCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jsonb/JsonbAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/couchbase/SpringBootCouchbaseConfigurer.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/RedisCacheConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jooq/SpringTransactionProvider.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/ldap/embedded/EmbeddedLdapAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateJpaAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jBookmarkManagementConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnBean.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/batch/JobLauncherCommandLineRunner.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/web/SpringDataWebAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/liquibase/DataSourceClosingSpringLiquibase.java
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 jar/org/springframework/boot/autoconfigure/security/servlet/UserDetailsServiceAutoConfiguration.java
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 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
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 jar/org/springframework/boot/autoconfigure/web/embedded/UndertowWebServerFactoryCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
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 jar/org/springframework/boot/autoconfigure/security/servlet/AntPathRequestMatcherProvider.java

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 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cassandra/ClusterBuilderCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/batch/JobExecutionExitCodeGenerator.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseReactiveDataAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/webservices/WebServicesProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/validation/ValidationAutoConfiguration.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cache/InfinispanCacheConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/neo4j/Neo4jRepositoriesAutoConfigureRegistrar.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cloud/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/amqp/RabbitRetryTemplateCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/AutoConfigurationImportListener.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/http/codecs/CodecsAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/DataSourceInitializer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cache/SimpleCacheConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/DataSourceTransactionManagerAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/DataSourceInitializerPostProcessor.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/transaction/PlatformTransactionManagerCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-

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jar/org/springframework/boot/autoconfigure/EnableAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/couchbase/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/MongoDataConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/ImportAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/AbstractRepositoryConfigurationSourceSupport.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jdbc/JdbcProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jms/JmsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/template/PathBasedTemplateAvailabilityProvider.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/TomcatServletWebServerFactoryCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/MongoReactiveSessionConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jdbc/metadata/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/couchbase/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/SecurityDataConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/servlet/SecurityAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/JspTemplateAvailabilityProvider.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseReactiveRepositoriesAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraRepositoriesAutoConfigureRegistrar.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/hazelcast/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/rest/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/MultipartAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mongo/ReactiveMongoClientFactory.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-

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jar/org/springframework/boot/autoconfigure/jmx/ParentAwareNamingStrategy.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jms/activemq/ActiveMQConnectionFactoryFactory.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/format/WebConversionService.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/security/oauth2/client/reactive/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/jpa/EntityManagerFactoryDependsOnPostProcessor.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jersey/JerseyProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jackson/Jackson2ObjectMapperBuilderCustomizer.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/sendgrid/SendGridProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/JdbcTemplateAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/mongo/MongoDbFactoryConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/reactive/function/client/WebClientAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/mustache/MustacheProperties.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/couchbase/OnBootstrapHostsCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/gson/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/redis/RedisProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/session/SessionAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/servlet/error/BasicErrorController.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jms/JndiConnectionFactoryAutoConfiguration.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/solr/SolrAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/OnResourceCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/session/AbstractSessionCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/session/NonUniqueSessionRepositoryException.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-

jar/org/springframework/boot/autoconfigure/orm/jpa/JpaProperties.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/CacheManagerCustomizers.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/batch/BatchDataSourceInitializer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/integration/IntegrationAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerNonWebConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/MongoSessionConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/orm/jpa/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/mongo/MongoDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/ResourceProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheServletWebConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/error/ErrorWebFluxAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/servlet/RequestMatcherProvider.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jms/JmsPoolConnectionFactoryFactory.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/AutoConfigurationMetadata.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/amqp/SimpleRabbitListenerContainerFactoryConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/elasticsearch/jest/JestAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/ReactiveOAuth2ResourceServerWeb
SecurityConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/AnyNestedCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/template/TemplateAvailabilityProviders.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jooq/JooqProperties.java

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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/quartz/QuartzAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/rest/SpringBootRepositoryRestConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/function/client/ClientHttpConnectorAutoConfiguration.ja
va
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/batch/BatchConfigurerConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/servlet/PathRequest.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/reactor/core/ReactorCoreAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/transaction/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/elasticsearch/jest/JestProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/oauth2/resource/IssuerUriCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mongo/MongoProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/websocket/servlet/JettyWebSocketServletWebServerCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchRepositoriesAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jackson/JacksonAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/diagnostics/analyzer/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/quartz/QuartzProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mustache/MustacheReactiveWebConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/hateoas/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/kafka/KafkaAnnotationDrivenConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/diagnostics/analyzer/NoSuchBeanDefinitionFailureAnalyzer.java
*

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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/amqp/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jms/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseReactiveRepositoriesRegistrar.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/session/SessionStoreMappings.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jackson/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/quartz/package-info.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jmx/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/context/MessageSourceAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnMissingBean.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/session/JdbcSessionConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionMessage.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/solr/SolrProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnResource.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseDataAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/flyway/FlywayMigrationInitializer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/SpringBootCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/redis/RedisAutoConfiguration.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cache/HazelcastJCacheCustomizationConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/SearchStrategy.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/servlet/HttpEncodingAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletPath.java
 *

/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastJpaDependencyAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/ConditionalOnEnabledResourceChain.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/security/oauth2/resource/servlet/OAuth2ResourceServerJwtConfigurati
 on.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jooq/SqlDialectLookup.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/webservices/WebServicesAutoConfiguration.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/kafka/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/security/oauth2/client/reactive/ReactiveOAuth2ClientAutoConfiguratio
 n.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/AbstractNestedCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/ldap/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionOutcome.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveRepositoriesAutoConfigureRegistrar.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/AutoConfigureAfter.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/servlet/MultipartProperties.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/mongo/MongoRepositoriesAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/h2/H2ConsoleAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/web/servlet/WebMvcProperties.java
 *
 /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/ldap/embedded/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/cache/CacheType.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/orm/jpa/HibernatePropertiesCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/data/mongo/ReactiveStreamsMongoClientDependsOnBeanFactoryPost
 Processor.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnWebApplication.java


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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/redis/RedisReactiveAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mail/MailSenderValidatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/embedded/NettyWebServerFactoryCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletPathProvider.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/CouchbaseCacheConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/info/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/integration/IntegrationDataSourceInitializer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/WebMvcRegistrations.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/oauth2/resource/servlet/OAuth2ResourceServerAutoConfigura-
tion.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/ReactiveOAuth2ResourceServerJwk
Configuration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/NoneNestedConditions.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jersey/JerseyAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraReactiveDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/sendgrid/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/elasticsearch/rest/RestClientBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jersey/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/HazelcastSessionProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnJndi.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisXAConnectionFactoryConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnJndiCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/ServerProperties.java

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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/SecurityProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/HazelcastSessionConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnCloudPlatformCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/SessionRepositoryUnavailableException.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/GenericCacheConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/hateoas/HateoasProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/SpringBootApplication.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jooq/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/hazelcast/HazelcastProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/servlet/SecurityFilterAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/error/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/template/TemplateLocation.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/error/DefaultErrorWebExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/security/servlet/StaticResourceRequest.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/web/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jms/artemis/package-info.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/RedisReactiveSessionConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/template/AbstractTemplateViewResolverProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/flyway/FlywayProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/elasticsearch/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/NoOpCacheConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/transaction/jta/package-info.java

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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/transaction/jta/BitronixJtaConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseDataProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jdbc/DataSourceInitializationConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/batch/JpaBatchConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletRegistrationBean.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/jdbc/metadata/DataSourcePoolMetadataProvidersConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/context/ConfigurationPropertiesAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/batch/BatchProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/reactive/function/client/WebClientCodecCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/cache/JCacheCacheConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/http/HttpMessageConvertersAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/mail/MailProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/session/JdbcSessionDataSourceInitializer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/web/format/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/http/HttpMessageConverters.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/redis/RedisRepositoriesAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/freemarker/package-info.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/redis/LettuceConnectionConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/condition/OnPropertyListCondition.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/orm/jpa/HibernateSettings.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/condition/BeanTypeRegistry.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/mongo/MongoReactiveDataAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/mongo/MongoClientSettingsBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/data/ldap/LdapRepositoriesRegistrar.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/security/reactive/ReactiveUserDetailsServiceAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/http/HttpProperties.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/orm/jpa/EntityManagerFactoryBuilderCustomizer.java
* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/http/GsonHttpMessageConvertersConfiguration.java
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 jar/org/springframework/boot/autoconfigure/condition/OnBeanCondition.java
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 jar/org/springframework/boot/autoconfigure/liquibase/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/validation/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/security/servlet/SpringBootWebSecurityConfiguration.java
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 jar/org/springframework/boot/autoconfigure/sendgrid/SendGridAutoConfiguration.java
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 jar/org/springframework/boot/autoconfigure/http/JsonbHttpMessageConvertersConfiguration.java
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 jar/org/springframework/boot/autoconfigure/websocket/servlet/WebSocketMessagingAutoConfiguration.java
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jar/org/springframework/boot/autoconfigure/data/elasticsearch/ElasticsearchDataAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/groovy/template/package-info.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/SharedMetadataReaderFactoryContextInitializer.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/EmbeddedDataSourceConfiguration.java
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 jar/org/springframework/boot/autoconfigure/domain/EntityScan.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnNotWebApplication.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/condition/ConditionalOnJava.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jms/artemis/ArtemisProperties.java
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 jar/org/springframework/boot/autoconfigure/condition/OnJavaCondition.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/freemarker/FreeMarkerServletWebConfiguration.java
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 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/quartz/QuartzDataSource.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/autoconfigure/jdbc/JndiDataSourceAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
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 jar/org/springframework/boot/autoconfigure/security/oauth2/client/reactive/ReactiveOAuth2ClientConfigurations.ja
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 jar/org/springframework/boot/autoconfigure/cassandra/package-info.java
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 jar/org/springframework/boot/autoconfigure/package-info.java
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 jar/org/springframework/boot/autoconfigure/quartz/SchedulerFactoryBeanCustomizer.java

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* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletAutoConfiguration.java

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* /opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/autoconfigure/mail/MailSenderAutoConfiguration.java

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jar/org/springframework/boot/autoconfigure/cache/CacheCondition.java
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/opt/ws_local/PERMITS_SQL/1068790165_1594457993.34/0/spring-boot-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/autoconfigure/data/cassandra/CassandraReactiveRepositoriesAutoConfigureRegistrar.
java
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ava
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1.594 spring-boot-starter-json

2.1.10.RELEASE

1.594.1 Available under license :

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* /opt/ws_local/PERMITS_SQL/1068794756_1594429419.24/0/spring-boot-starter-json-2-1-10-release-sources-1-
jar/META-INF/maven/org.springframework.boot/spring-boot-starter-json/pom.xml

```

1.595 spring-beans 5.1.11.RELEASE

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```
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/annotation/Autowired.java
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```
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jar/org/springframework/beans/factory/support/ConstructorResolver.java
```

```
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/InjectionPoint.java
```

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*
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```
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
```

* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/propertyeditors/CustomMapEditor.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/BeanUtils.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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 jar/org/springframework/beans/factory/BeanFactory.java
 *
 /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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jar/org/springframework/beans/TypeConverter.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/config/DependencyDescriptor.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/propertyeditors/CustomCollectionEditor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/PluggableSchemaResolver.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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jar/org/springframework/beans/factory/support/BeanDefinitionValueResolver.java
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jar/org/springframework/beans/factory/support/GenericBeanDefinition.java
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- * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java
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- * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
- * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/ComponentDefinition.java
- * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
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- * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/annotation/Configurable.java
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 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/xml/SimplePropertyNamespaceHandler.java
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 /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/FactoryBeanNotInitializedException.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/config/BeanReference.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/BeanMetadataElement.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/support/SortDefinition.java
 *
 /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/SecurityContextProvider.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/BeanIsAbstractException.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/BeanExpressionException.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/BeanFactoryAware.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/propertyeditors/CurrencyEditor.java
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 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/HierarchicalBeanFactory.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/PropertyEntry.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/BeanCreationNotAllowedException.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-

jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java

* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/PropertyEditorRegistrar.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/xml/UtilNamespaceHandler.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/support/ResourceEditorRegistrar.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/ImplicitlyAppearedSingletonException.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/SourceExtractor.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
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/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/PropertyValuesEditor.java

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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionRegistryPostProcessor.java
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jar/org/springframework/beans/factory/annotation/Qualifier.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
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jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
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jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/DocumentDefaultsDefinition.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/FatalBeanException.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/FactoryBeanRegistrySupport.java
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
*
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/AbstractPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/support/AutowiredCandidateResolver.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/CannotLoadBeanClassException.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/PropertyValues.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/InitializingBean.java
*
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/annotation/RequiredAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/config/NamedBeanHolder.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/DirectFieldAccessor.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-

jar/org/springframework/beans/BeanWrapperImpl.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/support/BeanDefinitionResource.java
*
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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jar/org/springframework/beans/factory/ObjectFactory.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/PropertyAccessException.java
*
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/XmlBeanFactory.java
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jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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jar/org/springframework/beans/ExtendedBeanInfo.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-

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 *
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 jar/org/springframework/beans/propertyeditors/PathEditor.java
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 jar/org/springframework/beans/NotWritablePropertyException.java
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 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/xml/ParserContext.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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 *
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 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/Mergeable.java
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 jar/org/springframework/beans/factory/BeanFactoryUtils.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/config/PreferencesPlaceholderConfigurer.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/annotation/Required.java
 *
 /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/annotation/QualifierAnnotationAutowireCandidateResolver.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/factory/xml/SimpleConstructorNamespaceHandler.java
 * /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
 jar/org/springframework/beans/PropertyAccessorFactory.java

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jar/org/springframework/beans/factory/annotation/Lookup.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
*
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/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
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```



```
jar/org/springframework/beans/NotReadablePropertyException.java
*
/opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/annotation/AnnotatedBeanDefinition.java
* /opt/ws_local/PERMITS_SQL/1068791682_1594430009.68/0/spring-beans-5-1-11-release-sources-
jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java
```

1.596 spring-expression 5.1.11.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/standard/TokenKind.java

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* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/ParserContext.java
*
/opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/OperatorOverloader.java
* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/standard/Token.java
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/opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/TypeConverter.java
* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/TypeComparator.java
* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/ast/OpInc.java
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- * /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/ast/Operator.java
- * /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
- * /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/ast/MethodReference.java
- *
- /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
- * /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-jar/org/springframework/expression/spel/ast/TypeCode.java

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* /opt/ws_local/PERMITS_SQL/1068793298_1594429362.19/0/spring-expression-5-1-11-release-sources-
jar/org/springframework/expression/spel/standard/SpelExpression.java

```

1.597 spring-web-mvc 5.1.11.RELEASE

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*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*

```

* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality,
protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 3.1
*/

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/tags/form/OptionWriter.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/condition/MediaTypeExpression.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/tags/form/RadioButtonTag.java
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jar/org/springframework/web/servlet/config/annotation/UrlBasedViewResolverRegistration.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/support/SessionFlashMapManager.java

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/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMappingJacksonResponseBodyAdvice.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/FlashMapManager.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/ViewResolverComposite.java

*

/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/handler/MatchableHandlerMapping.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerAdapter.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformer.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java

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/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/handler/RequestMatchResult.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/annotation/DelegatingWebMvcConfiguration.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBody.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerComposite.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/Controller.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
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*/
/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in the
* model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
```

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/resource/VersionPathStrategy.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/NoHandlerFoundException.java

* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/resource/VersionStrategy.java

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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
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/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/resource/ResourceResolver.java
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/mvc/support/RedirectAttributesModelMap.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMapMethodArgumentResolver.java
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jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/view/tiles3/TilesViewResolver.java
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jar/org/springframework/web/servlet/view/tiles3/SpringWildcardServletTilesApplicationContext.java
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jar/org/springframework/web/servlet/mvc/method/annotation/ExtendedServletRequestDataBinder.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/support/JstlUtils.java
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/RedirectAttributesMethodArgumentResolver.java
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jar/org/springframework/web/servlet/mvc/ParameterizableViewController.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/ServletForwardingController.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/view/tiles3/TilesConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/support/JspAwareRequestContext.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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jar/org/springframework/web/servlet/mvc/condition/RequestConditionHolder.java
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 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/ThemeResolver.java
 *
 /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/view/JstlView.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/mvc/method/annotation/ServletWebArgumentResolverAdapter.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/resource/AbstractResourceResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/i18n/FixedLocaleResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/LocaleContextResolver.java
 *
 /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/config/annotation/DefaultServletHandlerConfigurer.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewRequestBodyAdvice.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/RequestToViewNameTranslator.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/view/tiles3/TilesView.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/mvc/method/annotation/RequestAttributeMethodArgumentResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/handler/SimpleServletPostProcessor.java
 *
 /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/view/InternalResourceViewResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/view/AbstractUrlBasedView.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/config/annotation/EnableWebMvc.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/mvc/method/annotation/ServletCookieValueMethodArgumentResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
 * /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
 jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestDataBinderFactory.java

*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/CorsBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewResponseBodyAdvice.java
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/MvcUriComponentsBuilder.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMethodMappingNamingStrategy.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ReactiveTypeHandler.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-jar/org/springframework/web/servlet/view/RedirectView.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-

jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/VersionResourceResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/EncodedResourceResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/DispatcherServlet.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletInvocableHandlerMethod.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/ResourceHttpRequestHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/PathResourceResolver.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/ServletWrappingController.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/condition/ProducesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/SseEmitter.java
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/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-

jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBodyReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/support/AbstractFlashMapManager.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/resource/ResourceUrlEncodingFilter.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterReturnValueHandler.java
*
/opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068794216_1594460061.84/0/spring-webmvc-5-1-11-release-sources-
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1.598 spring-boot-starter-tomcat

2.1.10.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068794143_1594429456.68/0/spring-boot-starter-tomcat-2-1-10-release-sources-
1-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-tomcat/pom.xml

1.599 spring-messaging 5.1.11.RELEASE

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/support/HeaderMapper.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java
*
/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/support/MessageHeaderInitializer.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/converter/SimpleMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/MessageHandlingException.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/support/MessageHandlingRunnable.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/support/InterceptableChannel.java
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- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/CompositeMessageConverter.java
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- /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java
- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/annotation/SendTo.java
- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/support/AbstractSubscribableChannel.java
- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/SimpUserRegistry.java
- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/stomp/ConnectionLostException.java
- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/MessageChannel.java
- *

- /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/stomp/StompReactorNettyCodec.java
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- * /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/UserDestinationResolver.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/tcp/TcpOperations.java

*

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/tcp/TcpConnectionHandler.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/annotation/Payload.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/stomp/ConnectionHandlingStompSession.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/annotation/SubscribeMapping.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/MessageCondition.java

*

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/invocation/ListenableFutureReturnValueHandler.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/DestinationUserNameProvider.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolver.java

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/**

* Set the max pool size of the ThreadPoolExecutor.

* <p>NOTE: When an unbounded

* { @link #queueCapacity(int) queueCapacity } is configured (the default), the


```
* max pool size is effectively ignored. See the "Unbounded queues" strategy
* in { @link java.util.concurrent.ThreadPoolExecutor
ThreadPoolExecutor} for
* more details.
* <p>By default this is set to { @code Integer.MAX_VALUE}.
*/
```

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/config/TaskExecutorRegistration.java
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jar/org/springframework/messaging/handler/annotation/Headers.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/handler/annotation/ValueConstants.java
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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/SimpUser.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/support/IdTimestampMessageHeaderInitializer.java

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/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/AbstractMessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/MarshallingMessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/MessagingAdviceBean.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/invocation/AbstractAsyncReturnValueHandler.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/StringMessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/SimpSubscription.java

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/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/tcp/ReconnectStrategy.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandler.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/MessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/SmartMessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/support/ErrorMessage.java

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/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/handler/annotation/support/AbstractNamedValueMethodArgumentResolver.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/user/UserRegistryMessageHandler.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/SimpSessionScope.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/converter/GenericMessageConverter.java

* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/simp/SimpMessageSendingOperations.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/core/AbstractDestinationResolvingMessagingTemplate.java

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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-jar/org/springframework/messaging/support/MessageHeaderAccessor.java

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 jar/org/springframework/messaging/simp/SimpMessageMappingInfo.java
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jar/org/springframework/messaging/simp/config/SimpleBrokerRegistration.java
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/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/stomp/StompDecoder.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
```

jar/org/springframework/messaging/handler/invocation/InvocableHandlerMethod.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpClient.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/user/MultiServerUserRegistry.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/handler/annotation/support/MethodArgumentNotValidException.java
*
/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/support/AbstractMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/stomp/StompHeaderAccessor.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/core/GenericMessagingTemplate.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/handler/HandlerMethod.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/stomp/StompBrokerRelayMessageHandler.java
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jar/org/springframework/messaging/core/DestinationResolutionException.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/handler/annotation/DestinationVariable.java
*
/opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/SimpMessageType.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/SubscriberChannel.java


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* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/core/MessagePostProcessor.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/simp/stomp/StompConversionException.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/PollableChannel.java
* /opt/ws_local/PERMITS_SQL/1068790198_1594430260.3/0/spring-messaging-5-1-11-release-sources-
jar/org/springframework/messaging/MessageDeliveryException.java
```

1.600 spring-web 5.1.11.RELEASE

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jar/org/springframework/http/client/ClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/AbstractClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/support/ServletContextPropertySource.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/support/ServletConfigPropertySource.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java

*

/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

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jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java

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jar/org/springframework/web/filter/CommonsRequestLoggingFilter.java

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jar/org/springframework/web/context/request/RequestContextListener.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/filter/RequestContextFilter.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/cors/CorsUtils.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/http/converter/HttpMessageNotWritableException.java

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jar/org/springframework/web/util/HttpSessionMutexListener.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/bind/annotation/SessionAttributes.java

*

/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/server/WebFilterChain.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/bind/support/SpringWebConstraintValidatorFactory.java

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/bind/annotation/RequestMethod.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/MultipartResolver.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/HttpMessage.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/WebFilter.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/HttpRequestHandler.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/client/HttpStatusCodeException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/FacesWebRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/bind/annotation/RequestAttribute.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/WebAppRootListener.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/WebHandler.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/MediaTypeNotSupportedStatusException.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/RequestContextHolder.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/method/annotation/RequestHeaderMapMethodArgumentResolver.java
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/RequestScope.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/SessionScope.java
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/server/session/WebSessionIdResolver.java
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 jar/org/springframework/web/filter/CorsFilter.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/support/WebBindingInitializer.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/annotation/CookieValue.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/context/support/ServletContextLiveBeansView.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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```
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# Although created for httpd, this file is used by many software systems
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#
```

```

# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
# MIME type (lowercased) Extensions
# =====
#
application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-inset ez
# application/applefile
application/applixware aw
# application/atf
# application/atfx
application/atom+xml atom
application/atomcat+xml atomcat
# application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml atomsvc
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+zip
# application/batch-smtp
# application/beep+xml
# application/calendar+json
# application/calendar+xml

```



```
#
application/call-completion
# application/cals-1840
# application/cbor
# application/ccmp+xml
application/ccxml+xml ccxml
# application/cdfx+xml
application/cdmi-capability cdmia
application/cdmi-container cdmic
application/cdmi-domain cdmid
application/cdmi-object cdmio
application/cdmi-queue cdmiq
# application/cdni
# application/cea
# application/cea-2018+xml
# application/cellml+xml
# application/cfw
# application/cms
# application/cnrx+xml
# application/coap-group+json
# application/commonground
# application/conference-info+xml
# application/cpl+xml
# application/csrattrs
# application/csta+xml
# application/cstadata+xml
# application/csvm+json
application/cu-seeme cu
# application/cybercash
# application/dash+xml
# application/dashdelta
application/davmount+xml davmount
# application/dca-rft
# application/dcd
# application/dec-dx
# application/dialog-info+xml
# application/dicom
# application/dii
# application/dit
# application/dns
application/docbook+xml dbk
#
application/dskpp+xml
application/dssc+der dssc
application/dssc+xml xdssc
# application/dvcs
application/ecmascript ecma
# application/edi-consent
```

application/edi-x12
application/edifact
application/efi
application/emergencycalldata.comment+xml
application/emergencycalldata.deviceinfo+xml
application/emergencycalldata.providerinfo+xml
application/emergencycalldata.serviceinfo+xml
application/emergencycalldata.subscriberinfo+xml
application/emma+xml emma
application/emotionml+xml
application/encaprtp
application/epp+xml
application/epub+zip epub
application/eshop
application/example
application/exi exi
application/fastinfoset
application/fastsoap
application/fdt+xml
application/fits
application/font-sfnt
application/font-tdpfr pfr
application/font-woff woff
application/framework-attributes+xml
application/geo+json
application/gml+xml gml
application/gpx+xml gpx
application/gxf gxf
application/gzip

application/h224
application/held+xml
application/http
application/hyperstudio stk
application/ibe-key-request+xml
application/ibe-pkg-reply+xml
application/ibe-pp-data
application/iges
application/im-iscomposing+xml
application/index
application/index.cmd
application/index.obj
application/index.response
application/index.vnd
application/inkml+xml ink inkml
application/iotp
application/ipfix ipfix
application/ipp

application/isup
application/its+xml
application/java-archive jar
application/java-serialized-object ser
application/java-vm class
application/javascript js
application/jose
application/jose+json
application/jrd+json
application/json json
application/json-patch+json
application/json-seq
application/jsonml+json jsonml
application/jwk+json
application/jwk-set+json
application/jwt
application/kpml-request+xml
application/kpml-response+xml
application/ld+json
application/lgr+xml
application/link-format

application/load-control+xml
application/lost+xml lostxml
application/lostsync+xml
application/lxf
application/mac-binhex40 hqx
application/mac-compactpro cpt
application/macwriteii
application/mads+xml mads
application/marc mrc
application/marcxml+xml mrcx
application/mathematica ma nb mb
application/mathml+xml mathml
application/mathml-content+xml
application/mathml-presentation+xml
application/mbms-associated-procedure-description+xml
application/mbms-deregister+xml
application/mbms-envelope+xml
application/mbms-msk+xml
application/mbms-msk-response+xml
application/mbms-protection-description+xml
application/mbms-reception-report+xml
application/mbms-register+xml
application/mbms-register-response+xml
application/mbms-schedule+xml
application/mbms-user-service-description+xml
application/mbox mbox

```
# application/media-policy-dataset+xml
# application/media_control+xml
application/mediaservercontrol+xml mscml
# application/merge-patch+json
application/metalink+xml metalink
application/metalink4+xml meta4
application/mets+xml mets
#
application/mf4
# application/mikey
application/mods+xml mods
# application/moss-keys
# application/moss-signature
# application/mosskey-data
# application/mosskey-request
application/mp21 m21 mp21
application/mp4 mp4s
# application/mpeg4-generic
# application/mpeg4-iod
# application/mpeg4-iod-xmt
# application/mrb-consumer+xml
# application/mrb-publish+xml
# application/msc-ivr+xml
# application/msc-mixer+xml
application/msword doc dot
application/mxf mxf
# application/nasdata
# application/news-checkgroups
# application/news-groupinfo
# application/news-transmission
# application/nlsml+xml
# application/nss
# application/ocsp-request
# application/ocsp-response
application/octet-stream bin dms lrf mar so dist distz pkg bpk dump elc deploy
application/oda oda
# application/odx
application/obeps-package+xml opf
application/ogg ogx
application/omdoc+xml omdoc
application/onenote onetoc
onetoc2 onetmp onepkg
application/oxps oxps
# application/p2p-overlay+xml
# application/parityfec
application/patch-ops-error+xml xer
application/pdf pdf
# application/pdx
```

application/pgp-encrypted pgp
application/pgp-keys
application/pgp-signature asc sig
application/pics-rules prf
application/pidf+xml
application/pidf-diff+xml
application/pkcs10 p10
application/pkcs12
application/pkcs7-mime p7m p7c
application/pkcs7-signature p7s
application/pkcs8 p8
application/pkix-attr-cert ac
application/pkix-cert cer
application/pkix-crl crl
application/pkix-pkipath pkipath
application/pkixcmp pki
application/pls+xml pls
application/poc-settings+xml
application/postscript ai eps ps
application/ppsp-tracker+json
application/problem+json
application/problem+xml
application/provenance+xml
application/prs.alvestrand.titrax-sheet
application/prs.cww cww
application/prs.hpub+zip

application/prs.nprend
application/prs.plucker
application/prs.rdf+xml-crypt
application/prs.xsf+xml
application/pskc+xml pskcxml
application/qsig
application/raptorfec
application/rdap+json
application/rdf+xml rdf
application/reginfo+xml rif
application/relax-ng-compact-syntax rnc
application/remote-printing
application/reputon+json
application/resource-lists+xml rl
application/resource-lists-diff+xml rld
application/rfc+xml
application/riscos
application/rlmi+xml
application/rls-services+xml rs
application/rpki-ghostbusters gbr
application/rpki-manifest mft

application/rpki-roa roa
application/rpki-updown
application/rsd+xml rsd
application/rss+xml rss
application/rtf rtf
application/rtploopback
application/rtx
application/samlassertion+xml
application/samlmetadata+xml
application/sbml+xml sbml
application/scaip+xml
application/scim+json
application/scvp-cv-request scq
application/scvp-cv-response scs
application/scvp-vp-request spq
application/scvp-vp-response spp
application/sdp sdp

application/sep+xml
application/sep-exi
application/session-info
application/set-payment
application/set-payment-initiation setpay
application/set-registration
application/set-registration-initiation setreg
application/sgml
application/sgml-open-catalog
application/shf+xml shf
application/sieve
application/simple-filter+xml
application/simple-message-summary
application/simplesymbolcontainer
application/slate
application/smil
application/smil+xml smi smil
application/smpite336m
application/soap+fastinfoset
application/soap+xml
application/sparql-query rq
application/sparql-results+xml srx
application/spirits-event+xml
application/sql
application/srgs gram
application/srgs+xml grxml
application/sru+xml sru
application/ssdl+xml ssdl
application/ssml+xml ssml
application/tamp-apex-update

application/tamp-apex-update-confirm
application/tamp-community-update

application/tamp-community-update-confirm
application/tamp-error
application/tamp-sequence-adjust
application/tamp-sequence-adjust-confirm
application/tamp-status-query
application/tamp-status-response
application/tamp-update
application/tamp-update-confirm
application/tei+xml tei teicorpus
application/thraud+xml tfi
application/timestamp-query
application/timestamp-reply
application/timestamped-data tsd
application/ttml+xml
application/tve-trigger
application/ulpfec
application/urc-grpsheet+xml
application/urc-ressheet+xml
application/urc-targetdesc+xml
application/urc-uisocketdesc+xml
application/vcard+json
application/vcard+xml
application/vemmi
application/vividence.scriptfile
application/vnd.3gpp-prose+xml
application/vnd.3gpp-prose-pc3ch+xml
application/vnd.3gpp.access-transfer-events+xml
application/vnd.3gpp.bsf+xml
application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-large plb
application/vnd.3gpp.pic-bw-small psb
application/vnd.3gpp.pic-bw-var pvb

application/vnd.3gpp.sms
application/vnd.3gpp.sms+xml
application/vnd.3gpp.srvcc-ext+xml
application/vnd.3gpp.srvcc-info+xml
application/vnd.3gpp.state-and-event-info+xml
application/vnd.3gpp.ussd+xml
application/vnd.3gpp2.bcmcsinfo+xml
application/vnd.3gpp2.sms
application/vnd.3gpp2.tcap tcap
application/vnd.3lightssoftware.imagescal
application/vnd.3m.post-it-notes pwn
application/vnd.accpac.simply.aso aso

application/vnd.accpac.simply.imp imp
application/vnd.acucobol acu
application/vnd.acucorp atc acute
application/vnd.adobe.air-application-installer-package+zip air
application/vnd.adobe.flash.movie
application/vnd.adobe.formscentral.fcfdt fcfdt
application/vnd.adobe.fxp fxp fxpl
application/vnd.adobe.partial-upload
application/vnd.adobe.xdp+xml xdp
application/vnd.adobe.xfdf xfdf
application/vnd.aether.imp
application/vnd.ah-barcode
application/vnd.ahead.space ahead
application/vnd.airzip.filesecure.azf azf
application/vnd.airzip.filesecure.azs azs
application/vnd.amazon.ebook azw

application/vnd.amazon.mobi8-ebook
application/vnd.americandynamics.acc acc
application/vnd.amiga.ami ami
application/vnd.amundsen.maze+xml
application/vnd.android.package-archive apk
application/vnd.anki
application/vnd.anser-web-certificate-issue-initiation cii
application/vnd.anser-web-funds-transfer-initiation fti
application/vnd.antix.game-component atx
application/vnd.apache.thrift.binary
application/vnd.apache.thrift.compact
application/vnd.apache.thrift.json
application/vnd.api+json
application/vnd.apple.installer+xml mpkg
application/vnd.apple.mpegurl m3u8
application/vnd.arastra.swi
application/vnd.aristanetworks.swi swi
application/vnd.artsquare
application/vnd.astraea-software.iota iota
application/vnd.audiograph aep
application/vnd.autopackage
application/vnd.avistar+xml
application/vnd.balsamiq.bmml+xml
application/vnd.balsamiq.bmpr

application/vnd.bekitzur-stech+json
application/vnd.biopax.rdf+xml
application/vnd.blueice.multipass mpm
application/vnd.bluetooth.ep.oob
application/vnd.bluetooth.le.oob
application/vnd.bmi bmi

application/vnd.businessobjects rep
application/vnd.cab-jscript
application/vnd.canon-cpdl
application/vnd.canon-lips
application/vnd.cendio.thinlinc.clientconf
application/vnd.century-systems.tcp_stream
application/vnd.chemdraw+xml cdxml
application/vnd.chess-pgn
application/vnd.chipnuts.karaoke-mmd mmd
application/vnd.cinderella cdy
application/vnd.cirpack.isdn-ext
application/vnd.citationstyles.style+xml
application/vnd.claymore cla
application/vnd.cloanto.rp9 rp9
application/vnd.clonk.c4group c4g c4d c4f c4p c4u
application/vnd.cluetrust.cartomobile-config c11amc
application/vnd.cluetrust.cartomobile-config-pkg c11amz
application/vnd.coffeescript
application/vnd.collection+json
application/vnd.collection.doc+json
application/vnd.collection.next+json

application/vnd.comicbook+zip
application/vnd.commerce-battelle
application/vnd.commonspace csp
application/vnd.contact.cmsg cdbcmg
application/vnd.coreos.ignition+json
application/vnd.cosmocaller cmc
application/vnd.crick.clicker clkx
application/vnd.crick.clicker.keyboard clkk
application/vnd.crick.clicker.palette clkp
application/vnd.crick.clicker.template clkt
application/vnd.crick.clicker.wordbank clkw
application/vnd.criticaltools.wbs+xml wbs
application/vnd.ctc-posml pml
application/vnd.ctct.ws+xml
application/vnd.cups-pdf
application/vnd.cups-postscript
application/vnd.cups-ppd ppd
application/vnd.cups-raster
application/vnd.cups-raw
application/vnd.curl
application/vnd.curl.car car
application/vnd.curl.pcurl pcurl
application/vnd.cyan.dean.root+xml
application/vnd.cybank
application/vnd.dart dart
application/vnd.data-vision.rdz rdz

```
# application/vnd.debian.binary-package
application/vnd.dece.data uvf uvvf
  uvd uvvd
application/vnd.dece.ttml+xml uvt uvvt
application/vnd.dece.unspecified uvx uvvx
application/vnd.dece.zip uvz uvvz
application/vnd.denovo.fcselayout-link fe_launch
# application/vnd.desmume.movie
# application/vnd.dir-bi.plate-dl-nosuffix
# application/vnd.dm.delegation+xml
application/vnd.dna dna
# application/vnd.document+json
application/vnd.dolby.mlp mlp
# application/vnd.dolby.mobile.1
# application/vnd.dolby.mobile.2
# application/vnd.doremir.scorecloud-binary-document
application/vnd.dpgraph dpg
application/vnd.dreamfactory dfac
# application/vnd.drive+json
application/vnd.ds-keypoint kpxx
# application/vnd.dtg.local
# application/vnd.dtg.local.flash
# application/vnd.dtg.local.html
application/vnd.dvb.ait ait
# application/vnd.dvb.dvbj
# application/vnd.dvb.esgcontainer
# application/vnd.dvb.ipdcdfnotifaccess
# application/vnd.dvb.ipdcesgaccess
# application/vnd.dvb.ipdcesgaccess2
# application/vnd.dvb.ipdcesgpdd
# application/vnd.dvb.ipdcroaming
#
  application/vnd.dvb.iptv.alfec-base
# application/vnd.dvb.iptv.alfec-enhancement
# application/vnd.dvb.notif-aggregate-root+xml
# application/vnd.dvb.notif-container+xml
# application/vnd.dvb.notif-generic+xml
# application/vnd.dvb.notif-ia-msglist+xml
# application/vnd.dvb.notif-ia-registration-request+xml
# application/vnd.dvb.notif-ia-registration-response+xml
# application/vnd.dvb.notif-init+xml
# application/vnd.dvb.pfr
application/vnd.dvb.service svc
# application/vnd.dxr
application/vnd.dynageo geo
# application/vnd.dzr
# application/vnd.easykaraoke.cdgdownload
# application/vnd.ecdis-update
```

application/vnd.ecowin.chart mag
application/vnd.ecowin.filerequest
application/vnd.ecowin.fileupdate
application/vnd.ecowin.series
application/vnd.ecowin.seriesrequest
application/vnd.ecowin.seriesupdate
application/vnd.emclient.accessrequest+xml
application/vnd.enliven nml
application/vnd.enphase.envoy
application/vnd.eprints.data+xml
application/vnd.epson.esf esf
application/vnd.epson.msf msf
application/vnd.epson.quickanime qam
application/vnd.epson.salt slt
application/vnd.epson.ssf ssf

application/vnd.ericsson.quickcall
application/vnd.esigno3+xml es3 et3
application/vnd.etsi.aoc+xml
application/vnd.etsi.asic-e+zip
application/vnd.etsi.asic-s+zip
application/vnd.etsi.cug+xml
application/vnd.etsi.iptvcommand+xml
application/vnd.etsi.iptvdiscovery+xml
application/vnd.etsi.iptvprofile+xml
application/vnd.etsi.iptvsad-bc+xml
application/vnd.etsi.iptvsad-cod+xml
application/vnd.etsi.iptvsad-npvr+xml
application/vnd.etsi.iptvservice+xml
application/vnd.etsi.iptvsync+xml
application/vnd.etsi.iptvueprofile+xml
application/vnd.etsi.mcid+xml
application/vnd.etsi.mheg5
application/vnd.etsi.overload-control-policy-dataset+xml
application/vnd.etsi.pstn+xml
application/vnd.etsi.sci+xml
application/vnd.etsi.simservs+xml
application/vnd.etsi.timestamp-token
application/vnd.etsi.tsl+xml
application/vnd.etsi.tsl.der

application/vnd.eudora.data
application/vnd.ezpix-album ez2
application/vnd.ezpix-package ez3
application/vnd.f-secure.mobile
application/vnd.fastcopy-disk-image
application/vnd.fdf fdf
application/vnd.fdsn.mseed mseed

application/vnd.fdsn.seed seed dataless
application/vnd.ffmpeg
application/vnd.filmit.zfc
application/vnd.fints
application/vnd.firemonkeys.cloudcell
application/vnd.flographit gph
application/vnd.fluxtime.clip ftc
application/vnd.font-fontforge-sfd
application/vnd.framemaker fm frame maker book
application/vnd.frogans.fnc fnc
application/vnd.frogans.ltf ltf
application/vnd.fsc.weblaunch fsc
application/vnd.fujitsu.oasys oas
application/vnd.fujitsu.oasys2 oa2
application/vnd.fujitsu.oasys3 oa3
application/vnd.fujitsu.oasysgp fg5
application/vnd.fujitsu.oasysprs bh2
application/vnd.fujixerox.art-ex
application/vnd.fujixerox.art4
application/vnd.fujixerox.ddd ddd
application/vnd.fujixerox.docuworks xdw
application/vnd.fujixerox.docuworks.binder xbd

application/vnd.fujixerox.docuworks.container
application/vnd.fujixerox.hbpl
application/vnd.fut-misnet
application/vnd.fuzzysheet fzs
application/vnd.genomatix.tuxedo txd
application/vnd.geo+json
application/vnd.geocube+xml
application/vnd.geogebra.file ggb
application/vnd.geogebra.tool ggt
application/vnd.geometry-explorer gex gre
application/vnd.geonext gxt
application/vnd.geoplan g2w
application/vnd.geospace g3w
application/vnd.gerber
application/vnd.globalplatform.card-content-mgt
application/vnd.globalplatform.card-content-mgt-response
application/vnd.gmx gmx
application/vnd.google-earth.kml+xml kml
application/vnd.google-earth.kmz kmz
application/vnd.gov.sk.e-form+xml
application/vnd.gov.sk.e-form+zip
application/vnd.gov.sk.xmldatacontainer+xml
application/vnd.grafeq gqf gqs
application/vnd.gridmp
application/vnd.groove-account gac

```
application/vnd.groove-help ghf
application/vnd.groove-identity-message gim
application/vnd.groove-injector grv
application/vnd.groove-tool-message gtm
application/vnd.groove-tool-template tpl
application/vnd.groove-vcard vcg
#
application/vnd.hal+json
application/vnd.hal+xml hal
application/vnd.handheld-entertainment+xml zmm
application/vnd.hbci hbci
# application/vnd.hcl-bireports
# application/vnd.hdt
# application/vnd.heroku+json
application/vnd.hhe.lesson-player les
application/vnd.hp-hpgl hpgl
application/vnd.hp-hpid hpid
application/vnd.hp-hps hps
application/vnd.hp-jlyt jlt
application/vnd.hp-pcl pcl
application/vnd.hp-pclxl pclxl
# application/vnd.httpphone
application/vnd.hydrostatix.sof-data sfd-hdstx
# application/vnd.hyperdrive+json
# application/vnd.hzn-3d-crossword
# application/vnd.ibm.afplinedata
# application/vnd.ibm.electronic-media
application/vnd.ibm.minipay mpy
application/vnd.ibm.modcap afp listafp list3820
application/vnd.ibm.rights-management irm
application/vnd.ibm.secure-container sc
application/vnd.iccprofile icc
icm
# application/vnd.ieee.1905
application/vnd.igloader igl
application/vnd.immervision-ivp ivp
application/vnd.immervision-ivu ivu
# application/vnd.ims.imsccv1p1
# application/vnd.ims.imsccv1p2
# application/vnd.ims.imsccv1p3
# application/vnd.ims.lis.v2.result+json
# application/vnd.ims.lti.v2.toolconsumerprofile+json
# application/vnd.ims.lti.v2.toolproxy+json
# application/vnd.ims.lti.v2.toolproxy.id+json
# application/vnd.ims.lti.v2.toolsettings+json
# application/vnd.ims.lti.v2.toolsettings.simple+json
# application/vnd.informedcontrol.rms+xml
# application/vnd.informix-visionary
```

```
# application/vnd.infotech.project
# application/vnd.infotech.project+xml
# application/vnd.innopath.wamp.notification
application/vnd.insors.igm igm
application/vnd.intercon.formnet xpw xpx
application/vnd.intergeo i2g
# application/vnd.intertrust.digibox
# application/vnd.intertrust.nncp
application/vnd.intu.qbo qbo
application/vnd.intu.qfx qfx
#
application/vnd.iptc.g2.catalogitem+xml
# application/vnd.iptc.g2.conceptitem+xml
# application/vnd.iptc.g2.knowledgeitem+xml
# application/vnd.iptc.g2.newsitem+xml
# application/vnd.iptc.g2.newsmesssage+xml
# application/vnd.iptc.g2.packageitem+xml
# application/vnd.iptc.g2.planningitem+xml
application/vnd.ipunplugged.rcprofile rcprofile
application/vnd.irepository.package+xml irp
application/vnd.is-xpr xpr
application/vnd.isac.fcs fcs
application/vnd.jam jam
# application/vnd.japannet-directory-service
# application/vnd.japannet-jpnstore-wakeup
# application/vnd.japannet-payment-wakeup
# application/vnd.japannet-registration
# application/vnd.japannet-registration-wakeup
# application/vnd.japannet-setstore-wakeup
# application/vnd.japannet-verification
# application/vnd.japannet-verification-wakeup
application/vnd.jcp.javame.midlet-rms rms
application/vnd.jisp jisp
application/vnd.joost.joda-archive joda
# application/vnd.jsk.isdn-ngn
application/vnd.kahootz ktz
ktr
application/vnd.kde.karbon karbon
application/vnd.kde.kchart chrt
application/vnd.kde.kformula kfo
application/vnd.kde.kivio flw
application/vnd.kde.kontour kon
application/vnd.kde.kpresenter kpr kpt
application/vnd.kde.kspread ksp
application/vnd.kde.kword kwd kwt
application/vnd.kenameaapp htke
application/vnd.kidspiration kia
application/vnd.kinar kne knp
```

application/vnd.koan skp skd skt skm
application/vnd.kodak-descriptor sse
application/vnd.las.las+xml lasxml
application/vnd.liberty-request+xml
application/vnd.llamagraphics.life-balance.desktop lbd
application/vnd.llamagraphics.life-balance.exchange+xml lbe
application/vnd.lotus-1-2-3 123
application/vnd.lotus-approach apr
application/vnd.lotus-freelance pre
application/vnd.lotus-notes nsf
application/vnd.lotus-organizer org
application/vnd.lotus-screencam scm
application/vnd.lotus-wordpro lwp
application/vnd.macports.portpkg portpkg
application/vnd.mapbox-vector-tile
application/vnd.marlin.drm.actiontoken+xml

application/vnd.marlin.drm.conftoken+xml
application/vnd.marlin.drm.license+xml
application/vnd.marlin.drm.mdcf
application/vnd.mason+json
application/vnd.maxmind.maxmind-db
application/vnd.mcd mcd
application/vnd.medcalldata mc1
application/vnd.mediastation.cdkey cdkey
application/vnd.meridian-slideshow
application/vnd.mfer mwf
application/vnd.mfmp mfm
application/vnd.micro+json
application/vnd.micrografx.flo flo
application/vnd.micrografx.igx igx
application/vnd.microsoft.portable-executable
application/vnd.miele+json
application/vnd.mif mif
application/vnd.minisoft-hp3000-save
application/vnd.mitsubishi.misty-guard.trustweb
application/vnd.mobius.daf daf
application/vnd.mobius.dis dis
application/vnd.mobius.mbk mbk
application/vnd.mobius.mqy mqy
application/vnd.mobius.msl msl
application/vnd.mobius.plc plc
application/vnd.mobius.txf txf
application/vnd.mophun.application mpn
application/vnd.mophun.certificate mpc

application/vnd.motorola.flexsuite
application/vnd.motorola.flexsuite.adi

```
# application/vnd.motorola.flexsuite.fis
# application/vnd.motorola.flexsuite.gotap
# application/vnd.motorola.flexsuite.kmr
# application/vnd.motorola.flexsuite.ttc
# application/vnd.motorola.flexsuite.wem
# application/vnd.motorola.iprm
application/vnd.mozilla.xul+xml xul
# application/vnd.ms-3mfdocument
application/vnd.ms-artgalry cil
# application/vnd.ms-asf
application/vnd.ms-cab-compressed cab
# application/vnd.ms-color.iccprofile
application/vnd.ms-excel xls xlm xla xlc xlt xlw
application/vnd.ms-excel.addin.macroenabled.12 xlam
application/vnd.ms-excel.sheet.binary.macroenabled.12 xlsb
application/vnd.ms-excel.sheet.macroenabled.12 xlsm
application/vnd.ms-excel.template.macroenabled.12 xltm
application/vnd.ms-fontobject eot
application/vnd.ms-htmlhelp chm
application/vnd.ms-ims ims
application/vnd.ms-lrm lrm
# application/vnd.ms-office.activex+xml
application/vnd.ms-officetheme thmx
#
application/vnd.ms-opentype
# application/vnd.ms-package.obfuscated-opentype
application/vnd.ms-pki.seccat cat
application/vnd.ms-pki.stl stl
# application/vnd.ms-playready.initiator+xml
application/vnd.ms-powerpoint ppt pps pot
application/vnd.ms-powerpoint.addin.macroenabled.12 ppam
application/vnd.ms-powerpoint.presentation.macroenabled.12 pptm
application/vnd.ms-powerpoint.slide.macroenabled.12 sldm
application/vnd.ms-powerpoint.slideshow.macroenabled.12 ppsm
application/vnd.ms-powerpoint.template.macroenabled.12 potm
# application/vnd.ms-printdevicecapabilities+xml
# application/vnd.ms-printing.printticket+xml
# application/vnd.ms-printschematicket+xml
application/vnd.ms-project mpp mpt
# application/vnd.ms-tnef
# application/vnd.ms-windows.devicepairing
# application/vnd.ms-windows.nwprinting.oob
# application/vnd.ms-windows.printerpairing
# application/vnd.ms-windows.wsd.oob
# application/vnd.ms-wmdrm.lic-chlg-req
# application/vnd.ms-wmdrm.lic-resp
#
```


application/vnd.ms-wmdrm.meter-chlg-req
application/vnd.ms-wmdrm.meter-resp
application/vnd.ms-word.document.macroenabled.12 docm
application/vnd.ms-word.template.macroenabled.12 dotm
application/vnd.ms-works wps wks wcm wdb
application/vnd.ms-wpl wpl
application/vnd.ms-xpsdocument xps
application/vnd.msa-disk-image
application/vnd.mseq mseq
application/vnd.msign
application/vnd.multiad.creator
application/vnd.multiad.creator.cif
application/vnd.music-niff
application/vnd.musician mus
application/vnd.muvee.style msty
application/vnd.mynfc taglet
application/vnd.ncd.control
application/vnd.ncd.reference
application/vnd.nervana
application/vnd.netfpx
application/vnd.neurolanguage.nlu nlu
application/vnd.nintendo.nitro.rom
application/vnd.nintendo.snes.rom
application/vnd.nitf ntf nitf
application/vnd.noblenet-directory nnd
application/vnd.noblenet-sealer nns
application/vnd.noblenet-web nnw
application/vnd.nokia.catalogs

application/vnd.nokia.conml+wbxml
application/vnd.nokia.conml+xml
application/vnd.nokia.iptv.config+xml
application/vnd.nokia.isds-radio-presets
application/vnd.nokia.landmark+wbxml
application/vnd.nokia.landmark+xml
application/vnd.nokia.landmarkcollection+xml
application/vnd.nokia.n-gage.ac+xml
application/vnd.nokia.n-gage.data ngdat
application/vnd.nokia.n-gage.symbian.install n-gage
application/vnd.nokia.ncd
application/vnd.nokia.pcd+wbxml
application/vnd.nokia.pcd+xml
application/vnd.nokia.radio-preset rpst
application/vnd.nokia.radio-presets rpss
application/vnd.novadigm.edm edm
application/vnd.novadigm.edx edx
application/vnd.novadigm.ext ext
application/vnd.ntt-local.content-share

```
# application/vnd.ntt-local.file-transfer
# application/vnd.ntt-local.ogw_remote-access
# application/vnd.ntt-local.sip-ta_remote
# application/vnd.ntt-local.sip-ta_tcp_stream
application/vnd.oasis.opendocument.chart odc
application/vnd.oasis.opendocument.chart-template otc
application/vnd.oasis.opendocument.database odb
application/vnd.oasis.opendocument.formula odf
application/vnd.oasis.opendocument.formula-template odft
application/vnd.oasis.opendocument.graphics odg
application/vnd.oasis.opendocument.graphics-template otg
application/vnd.oasis.opendocument.image odi
application/vnd.oasis.opendocument.image-template oti
application/vnd.oasis.opendocument.presentation odp
application/vnd.oasis.opendocument.presentation-template otp
application/vnd.oasis.opendocument.spreadsheet ods
application/vnd.oasis.opendocument.spreadsheet-template ots
application/vnd.oasis.opendocument.text odt
application/vnd.oasis.opendocument.text-master odm
application/vnd.oasis.opendocument.text-template ott
application/vnd.oasis.opendocument.text-web oth
#
  application/vnd.obn
# application/vnd.oftn.110n+json
# application/vnd.oipf.contentaccessdownload+xml
# application/vnd.oipf.contentaccessstreaming+xml
# application/vnd.oipf.cspg-hexbinary
# application/vnd.oipf.dae.svg+xml
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  application/vnd.oipf.dae.xhtml+xml
# application/vnd.oipf.mippvcontrolmessage+xml
# application/vnd.oipf.pae.gem
# application/vnd.oipf.spdiscovery+xml
# application/vnd.oipf.spdlist+xml
# application/vnd.oipf.ueprofile+xml
# application/vnd.oipf.userprofile+xml
application/vnd.olpc-sugar xo
# application/vnd.oma-scws-config
# application/vnd.oma-scws-http-request
# application/vnd.oma-scws-http-response
# application/vnd.oma.bcast.associated-procedure-parameter+xml
# application/vnd.oma.bcast.drm-trigger+xml
# application/vnd.oma.bcast.imd+xml
# application/vnd.oma.bcast.ltkm
# application/vnd.oma.bcast.notification+xml
# application/vnd.oma.bcast.provisioningtrigger
# application/vnd.oma.bcast.sgboot
# application/vnd.oma.bcast.sgdd+xml
```

```

# application/vnd.oma.bcast.sgdu
# application/vnd.oma.bcast.simple-symbol-container
# application/vnd.oma.bcast.smartcard-trigger+xml
# application/vnd.oma.bcast.sprov+xml
# application/vnd.oma.bcast.stkm
# application/vnd.oma.cab-address-book+xml
#
  application/vnd.oma.cab-feature-handler+xml
# application/vnd.oma.cab-pcc+xml
# application/vnd.oma.cab-subs-invite+xml
# application/vnd.oma.cab-user-prefs+xml
# application/vnd.oma.dcd
# application/vnd.oma.dcdc
application/vnd.oma.dd2+xml dd2
# application/vnd.oma.drm.risd+xml
# application/vnd.oma.group-usage-list+xml
# application/vnd.oma.lwm2m+json
# application/vnd.oma.lwm2m+tlv
# application/vnd.oma.pal+xml
# application/vnd.oma.poc.detailed-progress-report+xml
# application/vnd.oma.poc.final-report+xml
# application/vnd.oma.poc.groups+xml
# application/vnd.oma.poc.invocation-descriptor+xml
# application/vnd.oma.poc.optimized-progress-report+xml
# application/vnd.oma.push
# application/vnd.oma.scidm.messages+xml
# application/vnd.oma.xcap-directory+xml
# application/vnd.omads-email+xml
# application/vnd.omads-file+xml
# application/vnd.omads-folder+xml
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# application/vnd.onepager
# application/vnd.openblox.game+xml
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# application/vnd.openxmlformats-officedocument.customxmlproperties+xml
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# application/vnd.openxmlformats-officedocument.drawingml.chart+xml
# application/vnd.openxmlformats-officedocument.drawingml.chartshapes+xml
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# application/vnd.openxmlformats-officedocument.drawingml.diagramstyle+xml
# application/vnd.openxmlformats-officedocument.extended-properties+xml
# application/vnd.openxmlformats-officedocument.presentationml.commentauthors+xml

```

```

# application/vnd.openxmlformats-officedocument.presentationml.comments+xml
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#
  application/vnd.openxmlformats-officedocument.presentationml.notesmaster+xml
# application/vnd.openxmlformats-officedocument.presentationml.notesslide+xml
application/vnd.openxmlformats-officedocument.presentationml.presentation pptx
# application/vnd.openxmlformats-officedocument.presentationml.presentation.main+xml
# application/vnd.openxmlformats-officedocument.presentationml.presprops+xml
application/vnd.openxmlformats-officedocument.presentationml.slide sldx
# application/vnd.openxmlformats-officedocument.presentationml.slide+xml
# application/vnd.openxmlformats-officedocument.presentationml.slidelayout+xml
# application/vnd.openxmlformats-officedocument.presentationml.slidemaster+xml
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# application/vnd.openxmlformats-officedocument.presentationml.slideshow.main+xml
# application/vnd.openxmlformats-officedocument.presentationml.slideupdateinfo+xml
#
  application/vnd.openxmlformats-officedocument.presentationml.tablestyles+xml
# application/vnd.openxmlformats-officedocument.presentationml.tags+xml
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# application/vnd.openxmlformats-officedocument.presentationml.template.main+xml
# application/vnd.openxmlformats-officedocument.presentationml.viewprops+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.calcchain+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.chartsheet+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.comments+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.connections+xml
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# application/vnd.openxmlformats-officedocument.spreadsheetml.revisionheaders+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.revisionlog+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.sharedstrings+xml
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# application/vnd.openxmlformats-officedocument.spreadsheetml.sheetmetadata+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.styles+xml
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  application/vnd.openxmlformats-officedocument.spreadsheetml.username+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.volatilitydependencies+xml
# application/vnd.openxmlformats-officedocument.spreadsheetml.worksheet+xml
# application/vnd.openxmlformats-officedocument.theme+xml

```

```

# application/vnd.openxmlformats-officedocument.themeoverride+xml
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# application/vnd.openxmlformats-officedocument.wordprocessingml.comments+xml
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# application/vnd.openxmlformats-officedocument.wordprocessingml.document.glossary+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.document.main+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.endnotes+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.fonttable+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.footer+xml
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# application/vnd.openxmlformats-officedocument.wordprocessingml.numbering+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.settings+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.styles+xml
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# application/vnd.openxmlformats-officedocument.wordprocessingml.template.main+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.websettings+xml
# application/vnd.openxmlformats-package.core-properties+xml
# application/vnd.openxmlformats-package.digital-signature-xmlsignature+xml
# application/vnd.openxmlformats-package.relationships+xml
# application/vnd.oracle.resource+json
# application/vnd.orange.indata
# application/vnd.osa.netdeploy
application/vnd.osgeo.mapguide.package mgp
# application/vnd.osgi.bundle
application/vnd.osgi.dp dp
application/vnd.osgi.subsystem esa
#
application/vnd.otps.ct-kip+xml
# application/vnd.oxli.countgraph
# application/vnd.pagerduty+json
application/vnd.palm pdb pqa oprc
# application/vnd.panoply
# application/vnd.paos.xml
application/vnd.pawaafire paw
# application/vnd.pcos
application/vnd.pg.format str
application/vnd.pg.osasli ei6
# application/vnd.piaccess.application-licence
application/vnd.picisel efif
application/vnd.pmi.widget wg
# application/vnd.poc.group-advertisement+xml
application/vnd.pocketlearn plf
application/vnd.powerbuilder6 pbd
# application/vnd.powerbuilder6-s
# application/vnd.powerbuilder7
# application/vnd.powerbuilder7-s
# application/vnd.powerbuilder75

```

```
# application/vnd.powerbuilder75-s
# application/vnd.preminet
application/vnd.previewsystems.box box
application/vnd.proteus.magazine mgz
application/vnd.publishare-delta-tree qps
application/vnd.pvi.ptid1 ptid
# application/vnd.pwg-multiplexed
# application/vnd.pwg-xhtml-print+xml
# application/vnd.qualcomm.brew-app-res
#
  application/vnd.quarantainenet
application/vnd.quark.quarkxpress qxd qxt qwd qwt qxl qxb
# application/vnd.quobject-quoxdocument
# application/vnd.radisys.moml+xml
# application/vnd.radisys.msml+xml
# application/vnd.radisys.msml-audit+xml
# application/vnd.radisys.msml-audit-conf+xml
# application/vnd.radisys.msml-audit-conn+xml
# application/vnd.radisys.msml-audit-dialog+xml
# application/vnd.radisys.msml-audit-stream+xml
# application/vnd.radisys.msml-conf+xml
# application/vnd.radisys.msml-dialog+xml
# application/vnd.radisys.msml-dialog-base+xml
# application/vnd.radisys.msml-dialog-fax-detect+xml
# application/vnd.radisys.msml-dialog-fax-sendrecv+xml
# application/vnd.radisys.msml-dialog-group+xml
# application/vnd.radisys.msml-dialog-speech+xml
# application/vnd.radisys.msml-dialog-transform+xml
# application/vnd.rainstor.data
# application/vnd.rapid
# application/vnd.rar
application/vnd.realvnc.bed bed
application/vnd.recordare.musicxml mxl
application/vnd.recordare.musicxml+xml musicxml
#
  application/vnd.renlearn.rlprint
application/vnd.rig.cryptonote cryptonote
application/vnd.rim.cod cod
application/vnd.rn-realmedia rm
application/vnd.rn-realmedia-vbr rmvb
application/vnd.route66.link66+xml link66
# application/vnd.rs-274x
# application/vnd.ruckus.download
# application/vnd.s3sms
application/vnd.sailingtracker.track st
# application/vnd.sbm.cid
# application/vnd.sbm.mid2
# application/vnd.scribus
```

application/vnd.sealed.3df
application/vnd.sealed.csf
application/vnd.sealed.doc
application/vnd.sealed.eml
application/vnd.sealed.mht
application/vnd.sealed.net
application/vnd.sealed.ppt
application/vnd.sealed.tiff
application/vnd.sealed.xls
application/vnd.sealedmedia.softseal.html
application/vnd.sealedmedia.softseal.pdf
application/vnd.seemail see
application/vnd.sema sema
application/vnd.semd semd
application/vnd.semf semf
application/vnd.shana.informed.formdata ifm
application/vnd.shana.informed.formtemplate itp
application/vnd.shana.informed.interchange iif
application/vnd.shana.informed.package ipk
application/vnd.simtech-mindmapper twd
twds
application/vnd.siren+json
application/vnd.smaf mmf
application/vnd.smart.notebook
application/vnd.smart.teacher teacher
application/vnd.software602.filler.form+xml
application/vnd.software602.filler.form+xml-zip
application/vnd.solent.sdkm+xml sdkm sdkd
application/vnd.spotfire.dxp dxp
application/vnd.spotfire.sfs sfs
application/vnd.sss-cod
application/vnd.sss-dtf
application/vnd.sss-ntf
application/vnd.stardivision.calc sdc
application/vnd.stardivision.draw sda
application/vnd.stardivision.impress sdd
application/vnd.stardivision.math smf
application/vnd.stardivision.writer sdw vor
application/vnd.stardivision.writer-global sgl
application/vnd.stepmania.package smzip
application/vnd.stepmania.stepchart sm
application/vnd.street-stream
application/vnd.sun.wadl+xml
application/vnd.sun.xml.calc sxc
application/vnd.sun.xml.calc.template stc
application/vnd.sun.xml.draw sxd
application/vnd.sun.xml.draw.template std
application/vnd.sun.xml.impress sxi

application/vnd.sun.xml.impress.template sti
application/vnd.sun.xml.math sxm
application/vnd.sun.xml.writer sxw
application/vnd.sun.xml.writer.global sxcg
application/vnd.sun.xml.writer.template stw
application/vnd.sus-calendar sus
susp
application/vnd.svd svd
application/vnd.swiftview-ics
application/vnd.symbian.install sis sisx
application/vnd.syncml+xml xsm
application/vnd.syncml.dm+wbxml bdm
application/vnd.syncml.dm+xml xdm
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application/vnd.syncml.dmtnds+wbxml
application/vnd.syncml.dmtnds+xml
application/vnd.syncml.ds.notification
application/vnd.tao.intent-module-archive tao
application/vnd.tcpdump.pcap pcap cap dmp
application/vnd.tmd.mediaflex.api+xml
application/vnd.tml
application/vnd.tmobile-livetv tmo
application/vnd.trid.tpt tpt
application/vnd.triscape.mxs mxs
application/vnd.trueapp tra

application/vnd.truedoc
application/vnd.ubisoft.webplayer
application/vnd.ufdl ufd ufdl
application/vnd.uiq.theme utz
application/vnd.umajin umj
application/vnd.unity unityweb
application/vnd.uoml+xml uoml
application/vnd.uplanet.alert
application/vnd.uplanet.alert-wbxml
application/vnd.uplanet.bearer-choice
application/vnd.uplanet.bearer-choice-wbxml
application/vnd.uplanet.cacheop
application/vnd.uplanet.cacheop-wbxml
application/vnd.uplanet.channel
application/vnd.uplanet.channel-wbxml
application/vnd.uplanet.list
application/vnd.uplanet.list-wbxml
application/vnd.uplanet.listcmd
application/vnd.uplanet.listcmd-wbxml
application/vnd.uplanet.signal


```
# application/vnd.uri-map
# application/vnd.valve.source.material
application/vnd.vcx vcx
# application/vnd.vd-study
# application/vnd.vectorworks
# application/vnd.vel+json
#
  application/vnd.verimatrix.vcas
# application/vnd.vidsoft.vidconference
application/vnd.visio vsd vst vss vsw
application/vnd.visionary vis
# application/vnd.vividence.scriptfile
application/vnd.vsf vsf
# application/vnd.wap.sic
# application/vnd.wap.slc
application/vnd.wap.wbxml wbxml
application/vnd.wap.wmlc wmlc
application/vnd.wap.wmlscriptc wmlsc
application/vnd.webturbo wtb
# application/vnd.wfa.p2p
# application/vnd.wfa.wsc
# application/vnd.windows.devicepairing
# application/vnd.wmc
# application/vnd.wmf.bootstrap
# application/vnd.wolfram.mathematica
# application/vnd.wolfram.mathematica.package
application/vnd.wolfram.player nbp
application/vnd.wordperfect wpd
application/vnd.wqd wqd
# application/vnd.wrq-hp3000-labelled
application/vnd.wt.stf stf
# application/vnd.wv.csp+wbxml
# application/vnd.wv.csp+xml
# application/vnd.wv.ssp+xml
# application/vnd.xacml+json
application/vnd.xara xar
application/vnd.xfdl xfdl
# application/vnd.xfdl.webform
#
  application/vnd.xmi+xml
# application/vnd.xmpie.cpkg
# application/vnd.xmpie.dpkg
# application/vnd.xmpie.plan
# application/vnd.xmpie.ppkg
# application/vnd.xmpie.xlim
application/vnd.yamaha.hv-dic hvd
application/vnd.yamaha.hv-script hvs
application/vnd.yamaha.hv-voice hvp
```

application/vnd.yamaha.openscoreformat osf
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application/vnd.yamaha.remote-setup
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application/vnd.yamaha.smaf-phrase spf
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application/vnd.yaoweme
application/vnd.yellowriver-custom-menu cmp
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application/voicexml+xml vxml
application/vq-rtcpvr
application/watcherinfo+xml
application/whoispp-query
application/whoispp-response
application/widget wgt
application/winhelp hlp
application/wita
application/wordperfect5.1
application/wsdl+xml wsdl
application/wspolicy+xml wspolicy
application/x-7z-compressed 7z
application/x-abiword abw
application/x-ace-compressed ace

application/x-amf
application/x-apple-diskimage dmg
application/x-authorware-bin aab x32 u32 vox
application/x-authorware-map aam
application/x-authorware-seg aas
application/x-bcpio bcpio
application/x-bittorrent torrent
application/x-blorb blb blorb
application/x-bzip bz
application/x-bzip2 bz2 boz
application/x-cbr cbr cba cbt cbz cb7
application/x-cdlink vcd
application/x-cfs-compressed cfs
application/x-chat chat
application/x-chess-pgn pgn
application/x-compress
application/x-conference nsc
application/x-cpio cpio
application/x-csh csh
application/x-debian-package deb udeb
application/x-dgc-compressed dgc
application/x-director dir dcr dxr cst cct cxt w3d fgd swa

application/x-doom wad
application/x-dtbnx+xml ncx
application/x-dtbook+xml dtb
application/x-dtbresource+xml res
application/x-dvi dvi
application/x-envoy evy
application/x-eva eva
application/x-font-bdf bdf

application/x-font-dos
application/x-font-framemaker
application/x-font-ghostscript gsf
application/x-font-libgrx
application/x-font-linux-psf psf
application/x-font-otf otf
application/x-font-pcf pcf
application/x-font-snf snf
application/x-font-speedo
application/x-font-sunos-news
application/x-font-ttf ttf ttc
application/x-font-type1 pfa pfb pfm afm
application/x-font-vfont
application/x-freearc arc
application/x-futuresplash spl
application/x-gca-compressed gca
application/x-glulx ulx
application/x-gnumeric gnumeric
application/x-gramps-xml gramps
application/x-gtar gtar
application/x-gzip
application/x-hdf hdf
application/x-install-instructions install
application/x-iso9660-image iso
application/x-java-jnlp-file jnlp
application/x-latex latex
application/x-lzh-compressed lzh lha
application/x-mie mie
application/x-mobipocket-ebook prc
mobi
application/x-ms-application application
application/x-ms-shortcut lnk
application/x-ms-wmd wmd
application/x-ms-wmz wmz
application/x-ms-xbap xbap
application/x-msaccess mdb
application/x-msbinder obd
application/x-mscardfile crd
application/x-msclip clp

application/x-msdownload exe dll com bat msi
application/x-msmediaview mvb m13 m14
application/x-msmetafile wmf wmz emf emz
application/x-msmoney mny
application/x-mspublisher pub
application/x-msschedule scd
application/x-msterminal trm
application/x-mswrite wri
application/x-netcdf nc cdf
application/x-nzb nzb
application/x-pkcs12 p12 pfx
application/x-pkcs7-certificates p7b spc
application/x-pkcs7-certreqresp p7r
application/x-rar-compressed rar
application/x-research-info-systems ris
application/x-sh sh
application/x-shar shar
application/x-shockwave-flash swf
application/x-silverlight-app xap
application/x-sql sql
application/x-stuffit sit
application/x-stuffitx sitx
application/x-subrip srt
application/x-sv4cpio sv4cpio
application/x-sv4crc sv4crc
application/x-t3vm-image t3
application/x-tads gam
application/x-tar tar
application/x-tcl tcl
application/x-tex tex
application/x-tex-tfm tfm
application/x-texinfo texinfo
texi
application/x-tgif obj
application/x-ustar ustar
application/x-wais-source src
application/x-www-form-urlencoded
application/x-x509-ca-cert der crt
application/x-xfig fig
application/x-xliff+xml xlf
application/x-xpinstall xpi
application/x-xz xz
application/x-zmachine z1 z2 z3 z4 z5 z6 z7 z8
application/x400-bp
application/xacml+xml
application/xaml+xml xaml
application/xcap-att+xml
application/xcap-caps+xml

application/xcap-diff+xml xdf
application/xcap-el+xml
application/xcap-error+xml
application/xcap-ns+xml
application/xcon-conference-info+xml
application/xcon-conference-info-diff+xml
application/xenc+xml xenc
application/xhtml+xml xhtml
xht
application/xhtml-voice+xml
application/xml xml xsl
application/xml-dtd dtd
application/xml-external-parsed-entity
application/xml-patch+xml
application/xmpp+xml
application/xop+xml xop
application/xproc+xml xpl
application/xslt+xml xslt
application/xspf+xml xspf
application/xv+xml mxml xhvm xvm xvm
application/yang yang
application/yin+xml yin
application/zip zip
application/zlib
audio/1d-interleaved-parityfec
audio/32kadpcm
audio/3gpp
audio/3gpp2
audio/ac3
audio/adpcm adp
audio/amr
audio/amr-wb
audio/amr-wb+
audio/aptx
audio/asc
audio/atrac-advanced-lossless
audio/atrac-x
audio/atrac3
audio/basic au snd
audio/bv16
audio/bv32
audio/clearmode
audio/cn
audio/dat12
audio/dls
audio/dsr-es201108
audio/dsr-es202050
audio/dsr-es202211

audio/dsr-es202212
audio/dv
audio/dvi4
audio/eac3
audio/encaprtsp
audio/evrc
audio/evrc-qcp
audio/evrc0
audio/evrc1

 audio/evrcb
audio/evrcb0
audio/evrcb1
audio/evrcnw
audio/evrcnw0
audio/evrcnw1
audio/evrcwb
audio/evrcwb0
audio/evrcwb1
audio/evs
audio/example
audio/fwdred
audio/g711-0
audio/g719
audio/g722
audio/g7221
audio/g723
audio/g726-16
audio/g726-24
audio/g726-32
audio/g726-40
audio/g728
audio/g729
audio/g7291
audio/g729d
audio/g729e
audio/gsm
audio/gsm-efr
audio/gsm-hr-08
audio/ilbc
audio/ip-mr_v2.5
audio/isac
audio/l16
audio/l20
audio/l24
audio/l8
audio/lpc
audio/midi mid midi kar rmi

```
# audio/mobile-xmf
audio/mp4  m4a mp4a
# audio/mp4a-latm
# audio/mpa
# audio/mpa-robust
audio/mpeg  mpga mp2 mp2a mp3 m2a m3a
# audio/mpeg4-generic
# audio/musepack
audio/ogg  oga ogg spx
# audio/opus
# audio/parityfec
# audio/pcma
# audio/pcma-wb
# audio/pcmu
# audio/pcmu-wb
# audio/prs.sid
# audio/qcelp
# audio/raptorfec
# audio/red
# audio/rtp-enc-aescm128
# audio/rtp-midi
# audio/rtploopback
# audio/rtx
audio/s3m  s3m
audio/silk  sil
#
  audio/smv
# audio/smv-qcp
# audio/smv0
# audio/sp-midi
# audio/speex
# audio/t140c
# audio/t38
# audio/telephone-event
# audio/tone
# audio/uemclip
# audio/ulpfec
# audio/vdvi
# audio/vmr-wb
# audio/vnd.3gpp.iufp
# audio/vnd.4sb
# audio/vnd.audiokoz
# audio/vnd.celp
# audio/vnd.cisco.nse
# audio/vnd.cmles.radio-events
# audio/vnd.cns.anp1
# audio/vnd.cns.inf1
audio/vnd.dece.audio  uva uvva
```

audio/vnd.digital-winds eol
audio/vnd.dlna.adts
audio/vnd.dolby.heaac.1
audio/vnd.dolby.heaac.2
audio/vnd.dolby.mlp
audio/vnd.dolby.mps
audio/vnd.dolby.pl2
audio/vnd.dolby.pl2x
audio/vnd.dolby.pl2z
audio/vnd.dolby.pulse.1
audio/vnd.dra dra
audio/vnd.dts dts
audio/vnd.dts.hd dtshd
audio/vnd.dvb.file
audio/vnd.everad.plj
audio/vnd.hns.audio
audio/vnd.lucent.voice lvp
audio/vnd.ms-playready.media.pya pya
audio/vnd.nokia.mobile-xmf
audio/vnd.nortel.vbk
audio/vnd.nuera.ecelp4800 ecelp4800
audio/vnd.nuera.ecelp7470 ecelp7470
audio/vnd.nuera.ecelp9600 ecelp9600

audio/vnd.octel.sbc
audio/vnd.qcelp
audio/vnd.rhetorex.32kadpcm
audio/vnd.rip rip
audio/vnd.sealedmedia.softseal.mpeg
audio/vnd.vmx.cvsd
audio/vorbis
audio/vorbis-config
audio/webm weba
audio/x-aac aac
audio/x-aiff aif aiff aifc
audio/x-caf caf
audio/x-flac flac
audio/x-matroska mka
audio/x-mpegurl m3u
audio/x-ms-wax wax
audio/x-ms-wma wma
audio/x-pn-realaudio ram ra
audio/x-pn-realaudio-plugin rmp
audio/x-tta
audio/x-wav wav
audio/xm xm
chemical/x-cdx cdx
chemical/x-cif cif

chemical/x-cmdf cmdf
chemical/x-cml cml
chemical/x-csml csml
chemical/x-pdb
chemical/x-xyz xyz
image/bmp bmp
image/cgm cgm
image/dicom-rle
image/emf
image/example
image/fits
image/g3fax g3
image/gif gif
image/ief ief
image/jls
image/jp2
image/jpeg jpeg jpg jpe
image/jpm
image/jpx
image/ktx ktx
image/naplps
image/png png
image/prs.btif btif

image/prs.pti
image/pwg-raster
image/sgi sgi
image/svg+xml svg svgz
image/t38
image/tiff tiff tif
image/tiff-fx
image/vnd.adobe.photoshop psd
image/vnd.airzip.accelerator.azv
image/vnd.cns.inf2
image/vnd.dece.graphic uvi uvvi uvg uvvg
image/vnd.djvu djvu djv
image/vnd.dvb.subtitle sub
image/vnd.dwg dwg
image/vnd.dxf dxf
image/vnd.fastbidsheet fbs
image/vnd.fpx fpx
image/vnd.fst fst
image/vnd.fujixerox.edmics-mmr mmr
image/vnd.fujixerox.edmics-rlc rlc
image/vnd.globalgraphics.pgb
image/vnd.microsoft.icon
image/vnd.mix
image/vnd.mozilla.apng

image/vnd.ms-modi mdi
image/vnd.ms-photo wdp
image/vnd.net-fpx npx
image/vnd.radiance
image/vnd.sealed.png
image/vnd.sealedmedia.softseal.gif
image/vnd.sealedmedia.softseal.jpg
image/vnd.svf
image/vnd.tencent.tap
image/vnd.valve.source.texture
image/vnd.wap.wbmp wbmp
image/vnd.xiff xif
image/vnd.zbrush.pcx
image/webp webp
image/wmf
image/x-3ds 3ds
image/x-cmu-raster ras
image/x-cmx cmx
image/x-freehand fh
fhc fh4 fh5 fh7
image/x-icon ico
image/x-mrsid-image sid
image/x-pcx pcx
image/x-pict pic pct
image/x-portable-anymap pnm
image/x-portable-bitmap pbm
image/x-portable-graymap pgm
image/x-portable-pixmap ppm
image/x-rgb rgb
image/x-tga tga
image/x-xbitmap xbm
image/x-xpixmap xpm
image/x-xwindowdump xwd
message/cpim
message/delivery-status
message/disposition-notification
message/example
message/external-body
message/feedback-report
message/global
message/global-delivery-status
message/global-disposition-notification
message/global-headers
message/http
message/imdn+xml
message/news
message/partial
message/rfc822 eml mime

```
# message/s-http
# message/sip
# message/sipfrag
# message/tracking-status
# message/vnd.si.simp
# message/vnd.wfa.wsc
# model/example
# model/gltf+json
model/iges igs iges
model/mesh msh mesh silo
model/vnd.collada+xml dae
model/vnd.dwf dwf
#
  model/vnd.flatland.3dml
model/vnd.gdl gdl
# model/vnd.gs-gdl
# model/vnd.gs.gdl
model/vnd.gtw gtw
# model/vnd.moml+xml
model/vnd.mts mts
# model/vnd.opengex
# model/vnd.parasolid.transmit.binary
# model/vnd.parasolid.transmit.text
# model/vnd.rosette.annotated-data-model
# model/vnd.valve.source.compiled-map
model/vnd.vtu vtu
model/vrml wrl vrml
model/x3d+binary x3db x3dbz
# model/x3d+fastinfoset
model/x3d+vrml x3dv x3dvz
model/x3d+xml x3d x3dz
# model/x3d-vrml
# multipart/alternative
# multipart/appledouble
# multipart/byteranges
# multipart/digest
# multipart/encrypted
# multipart/example
# multipart/form-data
# multipart/header-set
# multipart/mixed
# multipart/parallel
# multipart/related
# multipart/report
# multipart/signed
# multipart/voice-message
# multipart/x-mixed-replace
# text/1d-interleaved-parityfec
```

text/cache-manifest appcache
text/calendar ics ifb
text/css css
text/csv csv
text/csv-schema

text/directory
text/dns
text/ecmascript
text/encaprtpt
text/enriched
text/example
text/fwdred
text/grammar-ref-list
text/html html htm
text/javascript
text/jcr-cnd
text/markdown
text/mizar
text/n3 n3
text/parameters
text/parityfec
text/plain txt text conf def list log in
text/provenance-notation
text/prs.fallenstein.rst
text/prs.lines.tag dsc
text/prs.prop.logic
text/raptorfec
text/red
text/rfc822-headers
text/richtext rtx
text/rtf
text/rtp-enc-aescm128
text/rtploopback
text/rtx
text/sgml sgml sgm
text/t140
text/tab-separated-values tsv
text/troff t tr roff man me ms
text/turtle ttl
text/ulpfec
text/uri-list uri uris urls
text/vcard vcard
text/vnd.a
text/vnd.abc
text/vnd.curl curl
text/vnd.curl.dcurl dcurl
text/vnd.curl.mcurl mcurl

```
text/vnd.curl.scurl scurl
# text/vnd.debian.copyright
# text/vnd.dmclientscript
text/vnd.dvb.subtitle sub
# text/vnd.esmertec.theme-descriptor
text/vnd.fly fly
text/vnd.fmi.flexstor flx
text/vnd.graphviz gv
text/vnd.in3d.3dml 3dml
text/vnd.in3d.spot spot
#
text/vnd.iptc.newsml
# text/vnd.iptc.nitf
# text/vnd.latex-z
# text/vnd.motorola.reflex
# text/vnd.ms-mediapackage
# text/vnd.net2phone.commcntr.command
# text/vnd.radisys.msml-basic-layout
# text/vnd.si.uricatalogue
text/vnd.sun.j2me.app-descriptor jad
# text/vnd.trolltech.linguist
# text/vnd.wap.si
# text/vnd.wap.sl
text/vnd.wap.wml wml
text/vnd.wap.wmlscript wmls
text/x-asm s asm
text/x-c c cc cxx cpp h hh dic
text/x-fortran f for f77 f90
text/x-java-source java
text/x-nfo nfo
text/x-opml opml
text/x-pascal p pas
text/x-setext etx
text/x-sfv sfv
text/x-uuencode uu
text/x-vcalendar vcs
text/x-vcard vcf
# text/xml
# text/xml-external-parsed-entity
# video/1d-interleaved-parityfec
video/3gpp 3gp
# video/3gpp-tt
video/3gpp2 3g2
# video/bmpeg
# video/bt656
# video/celb
# video/dv
# video/encaprtmp
```

```
#
video/example
video/h261 h261
video/h263 h263
# video/h263-1998
# video/h263-2000
video/h264 h264
# video/h264-rcdo
# video/h264-svc
# video/h265
# video/iso.segment
video/jpeg jpgv
# video/jpeg2000
video/jpm jpm jpgm
video/mj2 mj2 mjp2
# video/mp1s
# video/mp2p
# video/mp2t
video/mp4 mp4 mp4v mpg4
# video/mp4v-es
video/mpeg mpeg mpg mpe m1v m2v
# video/mpeg4-generic
# video/mpv
# video/nv
video/ogg ogv
# video/parityfec
# video/pointer
video/quicktime qt mov
# video/raptorfec
# video/raw
# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
# video/smp292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hd uvh uvvh
video/vnd.dece.mobile uvm uvvm
# video/vnd.dece.mp4
video/vnd.dece.pd uvp uvvp
video/vnd.dece.sd uvs uvvs
video/vnd.dece.video uvv uvvv
# video/vnd.directv.mpeg
# video/vnd.directv.mpeg-tts
# video/vnd.dlna.mpeg-tts
video/vnd.dvb.file dvb
video/vnd.fvt fvt
```

```
# video/vnd.hns.video
# video/vnd.iptvforum.1dparityfec-1010
#
  video/vnd.iptvforum.1dparityfec-2005
# video/vnd.iptvforum.2dparityfec-1010
# video/vnd.iptvforum.2dparityfec-2005
# video/vnd.iptvforum.ttsavc
# video/vnd.iptvforum.ttsmpeg2
# video/vnd.motorola.video
# video/vnd.motorola.videop
video/vnd.mpegurl  mxu m4u
video/vnd.ms-playready.media.pyv  pyv
# video/vnd.nokia.interleaved-multimedia
# video/vnd.nokia.videovoip
# video/vnd.objectvideo
# video/vnd.radgamettools.bink
# video/vnd.radgamettools.smacker
# video/vnd.sealed.mpeg1
# video/vnd.sealed.mpeg4
# video/vnd.sealed.swf
# video/vnd.sealedmedia.softseal.mov
video/vnd.uvu.mp4  uvu uvvu
video/vnd.vivo  viv
# video/vp8
video/webm  webm
video/x-f4v  f4v
video/x-fli  fli
video/x-flv  flv
video/x-m4v  m4v
video/x-matroska  mkv mk3d mks
video/x-mng  mng
video/x-ms-asf  asf asx
video/x-ms-vob  vob
video/x-ms-wm  wm
video/x-ms-wmv  wmv
video/x-ms-wmx  wmx
video/x-ms-wvx  wvx
video/x-msvideo  avi
video/x-sgi-movie  movie
video/x-smv  smv
x-conference/x-cooltalk  ice
```

Found

in path(s):

* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/mime.types

No license file was found, but licenses were detected in source scan.

```
/*
 * Copyright 2002-2017 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/AbstractUriTemplateHandler.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/smile/MappingJackson2SmileHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/OkHttp3ClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/SimpleClientHttpRequestFactory.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/support/RequestPartServletServerHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/AsyncClientHttpRequestExecution.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/pattern/PatternParseException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/BufferingClientHttpResponseWrapper.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/ServerWebExchangeDecorator.java
*
```


/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/context/support/ServletContextParameterFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/codec/multipart/FormFieldPart.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/context/support/LiveBeansViewServlet.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/converter/json/GsonBuilderUtils.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/client/AsyncClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/server/i18n/LocaleContextResolver.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/bind/MethodArgumentNotValidException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/filter/DelegatingFilterProxy.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/remoting/jaxws/JaxWsPortClientInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/bind/support/WebExchangeDataBinder.java
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/client/DefaultResponseErrorHandler.java

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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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jar/org/springframework/web/context/support/GroovyWebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java
*

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/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/client/SimpleStreamingAsyncClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/cors/reactive/CorsUtils.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/converter/ResourceRegionHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/client/HttpServerErrorException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/multipart/commons/CommonsMultipartFile.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/multipart/support/StandardServletMultipartResolver.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/bind/support/ConfigurableWebBindingInitializer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/server/handler/FilteringWebHandler.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/client/support/AsyncHttpAccessor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/client/InterceptingClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/method/annotation/ExceptionHandlerMethodResolver.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/bind/annotation/RequestMapping.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/cors/reactive/CorsWebFilter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/SpringServletContainerInitializer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/codec/protobuf/ProtobufCodecSupport.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/util/OpaqueUriComponents.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/method/annotation/ErrorsMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/converter/protobuf/ProtobufJsonFormatHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/server/ServerErrorException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/accept/HeaderContentNegotiationStrategy.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

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jar/org/springframework/web/server/adapters/WebRequestHandlerBuilder.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/JavaScriptUtils.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/client/support/RestGatewaySupport.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/remoting/jaxws/SimpleJaxWsServiceExporter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/filter/FormContentFilter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/method/support/ModelAndViewContainer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/codec/support/BaseCodecConfigurer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/codec/json/Jackson2SmileEncoder.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/accept/PathExtensionContentNegotiationStrategy.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/pattern/SeparatorPathElement.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/pattern/SingleCharWildCardedPathElement.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/util/ServletContextPropertyUtils.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/bind/annotation/ResponseBody.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/accept/ContentNegotiationManager.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/filter/RelativeRedirectFilter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/server/reactive/ServerHttpResponse.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/bind/WebDataBinder.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/server/reactive/JettyHeadersAdapter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactory.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/bind/ServletRequestParameterPropertyValues.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/remoting/httpinvoker/AbstractHttpInvokerRequestExecutor.java
*

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/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/util/UriComponents.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/jsf/DelegatingNavigationHandlerProxy.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/client/ResponseErrorHandler.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/codec/ClientCodecConfigurer.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/client/SimpleClientHttpResponse.java
 *
 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/converter/HttpMessageConverter.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/filter/ShallowEtagHeaderFilter.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/HttpInputMessage.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/codec/json/Jackson2JsonEncoder.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/annotation/PathVariable.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/accept/ContentNegotiationStrategy.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/context/request/AbstractRequestAttributes.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/method/annotation/ModelFactory.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/converter/json/JsonbHttpMessageConverter.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/MissingRequestHeaderException.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/context/AbstractContextLoaderInitializer.java
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 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/cors/reactive/UrlBasedCorsConfigurationSource.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-

jar/org/springframework/web/context/support/ServletRequestHandledEvent.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/InvalidMediaTypeException.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/MissingRequestCookieException.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/HttpMethod.java
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 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/cors/reactive/DefaultCorsProcessor.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/HttpLogging.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/util/pattern/CaptureVariablePathElement.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/client/reactive/ReactorClientHttpConnector.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 jar/org/springframework/web/bind/support/WebExchangeBindException.java
 *
 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/client/reactive/ClientHttpConnector.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/server/reactive/UndertowHttpHandlerAdapter.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/client/SimpleBufferingClientHttpRequest.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/util/UriBuilderFactory.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/web/bind/support/WebRequestDataBinder.java
 * /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
 jar/org/springframework/http/server/reactive/ReactorHttpHandlerAdapter.java


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*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/multipart/MultipartFile.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/filter/GenericFilterBean.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/BufferingClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/codec/support/ClientDefaultCodecsImpl.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/protobuf/ExtensionRegistryInitializer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/ObjectToStringHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/filter/reactive/HiddenHttpMethodFilter.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/reactive/ClientHttpRequestDecorator.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/HttpMessageNotReadableException.java
No license file was found, but licenses were detected in source scan.

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```

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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/

```

```
/**
 * Return the web session for the current request. Always guaranteed to
 * return an instance either matching to the session id requested by the
 * client, or with a new session id either because the client did not
 * specify one or because the underlying session had expired. Use of this
 * method
 does not automatically create a session. See { @link WebSession}
 * for more details.
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/ServerWebExchange.java
No license file was found, but licenses were detected in source scan.
```

```
/*
 * Copyright 2002-2019 the original author or authors.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * https://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

Found in path(s):

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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/codec/json/Jackson2Tokenizer.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/BufferedImageHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/method/annotation/MapMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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jar/org/springframework/web/server/handler/ResponseStatusExceptionHandler.java
*
/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/server/ServerHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/web/server/MethodNotAllowedException.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/codec/xml/Jaxb2XmlEncoder.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/converter/xml/AbstractJaxb2HttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
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jar/org/springframework/web/client/RestClientResponseException.java
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/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-
jar/org/springframework/http/client/reactive/ReactorClientHttpRequest.java
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/http/client/AbstractClientHttpResponse.java
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/opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java
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* /opt/ws_local/PERMITS_SQL/1068791053_1594430272.2/0/spring-web-5-1-11-release-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java

1.601 spring-boot-starter 2.1.10.RELEASE

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1.602 spring-boot-starter-logging

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1.603 spring-boot-starter-web

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1.604 tomcat-jasper 9.0.35

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*/
/opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/JspIdConsumer.java

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*

/opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/BodyContent.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/TagLibraryInfo.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/TagVariableInfo.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/TagAttributeInfo.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/BodyTag.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/TagAdapter.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/JspApplicationContext.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/ErrorData.java

*

/opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/el/ScopedAttributeELResolver.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/SkipPageException.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/JspTagException.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/ValidationMessage.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/JspWriter.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/VariableInfo.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/el/ELException.java

* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/el/VariableResolver.java

*

/opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/tagext/BodyTagSupport.java

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* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/resources/jspxml.dtd
* /opt/ws_local/PERMITS_SQL/1068868411_1594464912.5/0/tomcat-jsp-api-9-0-35-sources-jar/javax/servlet/jsp/resources/jspxml.xsd

1.608 tomcat-servlet-api 9.0.35

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
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- web-common_3_1.xsd
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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

1.609 spring-loaded 1.2.6.RELEASE

1.609.1 Available under license :

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-

jar/org/springsource/loaded/support/Java8.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/FileChangeListener.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/agent/ReloadableFileChangeListener.java

*

/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/GlobalConfiguration.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/agent/ModifyDefineInClassLoaderForClassArtifactsType.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ri/JavaMethodInvoker.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/TypeDiffComputer.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/MethodMember.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/SystemPropertyConfiguredIsReloadableTypePlugin.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/FieldMember.java

*

/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/DispatcherBuilder.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ri/GetDeclaredMethodLookup.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/TypeDescriptor.java

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/TypeDescriptorExtractor.java

```

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/___DynamicallyDispatchable.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ConstantPoolChecker.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/Plugins.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/GetDeclaredFieldLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ReflectionFieldReaderWriter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/JavaClassMethodProvider.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/GetMethodLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/Constants.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/SystemClassReflectionInvestigator.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/PrefixTypePattern.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/RTH.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/ReloadableTypeMethodProvider.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/Exceptions.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/SpringLoaded.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/CurrentLiveVersion.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/StaticLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/ReflectiveInterceptor.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/MethodCopier.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/FileSystemWatcher.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ReloadException.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ConstantPoolScanner.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/AnyTypePattern.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-

```

jar/org/springsource/loaded/ri/OriginalClassInvoker.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/TypePattern.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/ClassPreProcessorAgentAdapter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/GetMethodsLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/GrailsPlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/Asserts.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/Plugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ReloadableType.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/InterfaceExtractor.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/UnableToReloadEventProcessorPlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/FalseReturner.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/TypeDelta.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/C.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/FieldLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ClassRenamer.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/SpringPlugin.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/EmptyClassVisitor.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/UnableToLoadClassException.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ConstructorCopier.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/ReloadDecision.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ReloadEventProcessorPlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/Invoker.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/LoadtimeInstrumentationPlugin.java

```

*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/PluginUtils.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/jvm/JVM.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/QuickVisitor.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/IsReloadableTypePlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/ReloadedTypeInvoker.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/MethodDelta.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/AbstractMember.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/SpringLoadedPreProcessor.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/DynamicLookup.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/JavaMethodCache.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/TypeRewriter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/infra/SLFormatter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/NonFinalizer.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/JVMPlugin.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ChildClassLoader.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/MethodInvokerRewriter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ExactTypePattern.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/test/infra/MethodPrinter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/Impossible.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/CglibPluginCapturing.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ri/TypeDescriptorMethodProvider.java
*
/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/ISMgr.java

```

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/Utils.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/FieldReaderWriter.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/pluginhelpers/EmptyCtor.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/agent/CglibPlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/TypeRegistry.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/FieldDelta.java
*

/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ri/MethodProvider.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/SSMgr.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ConstantPoolChecker2.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/infra/UsedByGeneratedCode.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/NameRegistry.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/agent/ClassVisitingConstructorAppender.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/test/infra/ClassPrinter.java
*

/opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ExecutorBuilder.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/agent/GroovyPlugin.java
* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/ri/GetFieldLookup.java

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* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/agent/SpringLoadedAgent.java
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* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-
jar/org/springsource/loaded/SystemClassReflectionRewriter.java
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*/

/**

* This class computes and then encapsulates what has changed between the original form of a type and a newly

loaded
* version.
*
* @author Andy Clement
* @since 0.5.0
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068867936_1594432479.59/0/springloaded-1-2-6-release-sources-1-jar/org/springsource/loaded/IncrementalTypeDescriptor.java

1.610 spring-beans 5.1.15.RELEASE

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```

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionRegistryPostProcessor.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/support/ArgumentConvertingMethodInvoker.java
*

/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/AbstractBeanFactory.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/FactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/DependencyDescriptor.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/CharacterEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/ReaderContext.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/GenericTypeAwareAutowireCandidateResolver.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/BeanDefinitionHolder.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionReader.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/ManagedProperties.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/SimpleAutowireCandidateResolver.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/PatternEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/CustomAutowireConfigurer.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/XmlReaderContext.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/BeanMetadataAttributeAccessor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/BeanWrapper.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/MethodOverride.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-

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jar/org/springframework/beans/propertyeditors/ResourceBundleEditor.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/DeprecatedBeanWarner.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/propertyeditors/StringTrimmerEditor.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/support/NullBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/BeansException.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/xml/DocumentDefaultsDefinition.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/EmbeddedValueResolver.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/BeanMetadataAttribute.java
*
/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/ProviderCreatingFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/ConfigurablePropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/PropertyPathFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/SetFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/AnnotatedBeanDefinition.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/SmartInitializingSingleton.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/AutowireCandidateQualifier.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/PropertyBatchUpdateException.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/BeanDefinitionResource.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/PathEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/MutablePropertyValues.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/SimpleConstructorNamespaceHandler.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/NotWritablePropertyException.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/MethodInvocationException.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/StringArrayPropertyEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/SmartFactoryBean.java

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jar/org/springframework/beans/PropertyMatches.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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jar/org/springframework/beans/propertyeditors/URIEditor.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/AbstractFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/support/BeanDefinitionOverrideException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/NamedBeanHolder.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/RootBeanDefinition.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/BeanInstantiationException.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/CustomNumberEditor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/InvalidPropertyException.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/ManagedMap.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/ObjectProvider.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/ParserContext.java

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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/DirectFieldAccessor.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
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jar/org/springframework/beans/BeanInfoFactory.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy
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jar/org/springframework/beans/SimpleTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/ExtendedBeanInfoFactory.java
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jar/org/springframework/beans/TypeConverterSupport.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/AbstractBeanDefinition.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/YamlPropertiesFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/MethodOverrides.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/PropertyValue.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/DelegatingEntityResolver.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/PluggableSchemaResolver.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/ExtendedBeanInfo.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/FileEditor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/Scope.java
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
*

/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/Lookup.java

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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/ComponentDefinition.java
*

/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/support/SortDefinition.java

* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-

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jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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jar/org/springframework/beans/ConversionNotSupportedException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/BeanFactoryAware.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/parsing/ProblemReporter.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/parsing/QualifierEntry.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/HierarchicalBeanFactory.java
*
/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/PropertyEditorRegistrar.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
*
/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/xml/DocumentLoader.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/BeanIsAbstractException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-
jar/org/springframework/beans/factory/support/DefaultBeanNameGenerator.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/BeanExpressionException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/PropertyEditorRegistry.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/PropertyEntry.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/annotation/Configurable.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/BeanCreationNotAllowedException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/MethodReplacer.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/SimplePropertyNamespaceHandler.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java
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/opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/FactoryBeanNotInitializedException.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/config/BeanReference.java
* /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/BeanMetadataElement.java
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 - * /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
 - * /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/support/BeanNameGenerator.java
 - * /opt/ws_local/PERMITS_SQL/1070661941_1594727152.09/0/spring-beans-5-1-15-release-sources-jar/org/springframework/beans/factory/parsing/ReaderEventListener.java
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1.611 spring-web 5.1.15.RELEASE

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/**
 * Return the web session for the current request. Always guaranteed to
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 * client, or with a new session id either because the client did not
 * specify one or because the underlying session had expired. Use of this
 * method
 *
 * does not automatically create a session. See { @link WebSession }
 * for more details.
 */
```

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/handler/ResponseStatusExceptionHandler.java

*

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/codec/json/AbstractJackson2Encoder.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/ResponseStatusException.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/codec/json/AbstractJackson2Decoder.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/NotAcceptableStatusException.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/i18n/AcceptHeaderLocaleContextResolver.java

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/codec/json/Jackson2JsonDecoder.java

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/HttpMessage.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/SessionAttributes.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/filter/CommonsRequestLoggingFilter.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/support/SpringWebConstraintValidatorFactory.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/http/codec/HttpMessageWriter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/web/server/adapter/ForwardedHeaderTransformer.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/http/codec/json/Jackson2CodecSupport.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/web/bind/annotation/ControllerAdvice.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/http/MediaType.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/http/server/reactive/ChannelSendOperator.java

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/codec/support/BaseDefaultCodecs.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/ContextCleanupListener.java
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/ReadOnlyHttpHeaders.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/reactive/JettyClientHttpResponse.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/util/pattern/PathPatternParser.java

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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/remoting/httpinvoker/AbstractHttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/GenericHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/util/pattern/RegexPathElement.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/client/support/RestGatewaySupport.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/support/WebRequestDataBinder.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/multipart/MultipartFile.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/client/ResponseExtractor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/filter/reactive/ForwardedHeaderFilter.java
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/ResourceRegionHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/reactive/ClientHttpResponseDecorator.java
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/server/reactive/NettyHeadersAdapter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/RequestPart.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/reactive/ReactorClientHttpConnector.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/feed/AbstractWireFeedHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-

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jar/org/springframework/http/server/reactive/WriteResultPublisher.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/reactive/ClientHttpRequestDecorator.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/codec/json/Jackson2SmileDecoder.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/HttpLogging.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/filter/GenericFilterBean.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/reactive/AbstractClientHttpRequest.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactory.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/MissingPathVariableException.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/DefaultServerWebExchangeBuilder.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/Netty4ClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/method/annotation/ExpressionValueMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/method/annotation/ErrorsMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/client/AsyncRestTemplate.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/support/BasicAuthenticationInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/json/AbstractJackson2HttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/xml/Jaxb2CollectionHttpMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/filter/reactive/HiddenHttpMethodFilter.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/UnsupportedMediaTypeStatusException.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/method/support/HandlerMethodReturnValueHandlerComposite.java
*
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/server/reactive/SslInfo.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/request/FacesRequestAttributes.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-

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jar/org/springframework/web/server/adapter/DefaultServerWebExchange.java
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*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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jar/org/springframework/http/client/SimpleStreamingClientHttpRequest.java
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/cors/reactive/CorsConfigurationSource.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/client/HttpStatusCodeException.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/WebExceptionHandler.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/ClientHttpRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/ReactiveHttpOutputMessage.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/client/ClientHttpRequestExecution.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/accept/MediaTypeFileExtensionResolver.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/HttpRequestHandler.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/PatchMapping.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/ReactiveHttpInputMessage.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/WebHandler.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/annotation/ApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/ModelAttribute.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/SessionAttribute.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/session/WebSessionIdResolver.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/request/async/TimeoutDeferredResultProcessingInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/WebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/server/session/WebSessionManager.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/util/WebAppRootListener.java
*
/opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/annotation/RequestScope.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/context/request/FacesWebRequest.java
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/PutMapping.java
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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/HttpMediaTypeException.java

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/server/ServerHttpResponse.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/web/bind/annotation/Mapping.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-

jar/org/springframework/web/bind/support/SessionStatus.java
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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/web/context/support/ServletContextResourceLoader.java
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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-
jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
No license file was found, but licenses were detected in source scan.
```

```
# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
```

```

#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
# MIME type (lowercased) Extensions
# =====
#
application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-inset ez
# application/applefile
application/applixware aw
# application/atf
# application/atfx
application/atom+xml atom
application/atomcat+xml atomcat
# application/atomdeleted+xml
# application/atomicmail
application/atomsvc+xml atomsvc
# application/atxml
# application/auth-policy+xml
# application/bacnet-xdd+zip
# application/batch-smtp
# application/beep+xml
# application/calendar+json

```

application/calendar+xml

application/call-completion
application/cals-1840
application/cbor
application/ccmp+xml
application/ccxml+xml ccxml
application/cdfx+xml
application/cdmi-capability cdmia
application/cdmi-container cdmic
application/cdmi-domain cdmid
application/cdmi-object cdmio
application/cdmi-queue cdmiq
application/cdni
application/cea
application/cea-2018+xml
application/cellml+xml
application/cfw
application/cms
application/cnrx+xml
application/coap-group+json
application/commonground
application/conference-info+xml
application/cpl+xml
application/csrattrs
application/csta+xml
application/cstadata+xml
application/csvm+json
application/cu-seeme cu
application/cybercash
application/dash+xml
application/dashdelta
application/davmount+xml davmount
application/dca-rft
application/dcd
application/dec-dx
application/dialog-info+xml
application/dicom
application/dii
application/dit
application/dns
application/docbook+xml dbk

application/dskpp+xml
application/dssc+der dssc
application/dssc+xml xdssc
application/dvcs
application/ecmascript ecma

application/edi-consent
application/edi-x12
application/edifact
application/efi
application/emergencycalldata.comment+xml
application/emergencycalldata.deviceinfo+xml
application/emergencycalldata.providerinfo+xml
application/emergencycalldata.serviceinfo+xml
application/emergencycalldata.subscriberinfo+xml
application/emma+xml emma
application/emotionml+xml
application/encaprtsp
application/epp+xml
application/epub+zip epub
application/eshop
application/example
application/exi exi
application/fastinfoset
application/fastsoap
application/fdt+xml
application/fits
application/font-sfnt
application/font-tdpfr pfr
application/font-woff woff
application/framework-attributes+xml
application/geo+json
application/gml+xml gml
application/gpx+xml gpx
application/gxf gxf
application/gzip

application/h224
application/held+xml
application/http
application/hyperstudio stk
application/ibe-key-request+xml
application/ibe-pkg-reply+xml
application/ibe-pp-data
application/iges
application/im-iscomposing+xml
application/index
application/index.cmd
application/index.obj
application/index.response
application/index.vnd
application/inkml+xml ink inkml
application/iotp
application/ipfix ipfix

application/ipp
application/isup
application/its+xml
application/java-archive jar
application/java-serialized-object ser
application/java-vm class
application/javascript js
application/jose
application/jose+json
application/jrd+json
application/json json
application/json-patch+json
application/json-seq
application/jsonml+json jsonml
application/jwk+json
application/jwk-set+json
application/jwt
application/kpml-request+xml
application/kpml-response+xml
application/ld+json
application/lgr+xml
application/link-format

application/load-control+xml
application/lost+xml lostxml
application/lostsync+xml
application/lxf
application/mac-binhex40 hqx
application/mac-compactpro cpt
application/macwriteii
application/mads+xml mads
application/marc mrc
application/marcxml+xml mrcx
application/mathematica ma nb mb
application/mathml+xml mathml
application/mathml-content+xml
application/mathml-presentation+xml
application/mbms-associated-procedure-description+xml
application/mbms-deregister+xml
application/mbms-envelope+xml
application/mbms-msk+xml
application/mbms-msk-response+xml
application/mbms-protection-description+xml
application/mbms-reception-report+xml
application/mbms-register+xml
application/mbms-register-response+xml
application/mbms-schedule+xml
application/mbms-user-service-description+xml

application/mbox mbox
application/media-policy-dataset+xml
application/media_control+xml
application/mediaservercontrol+xml mscml
application/merge-patch+json
application/metalink+xml metalink
application/metalink4+xml meta4
application/mets+xml mets

application/mf4
application/mikey
application/mods+xml mods
application/moss-keys
application/moss-signature
application/mosskey-data
application/mosskey-request
application/mp21 m21 mp21
application/mp4 mp4s
application/mpeg4-generic
application/mpeg4-iod
application/mpeg4-iod-xmt
application/mrb-consumer+xml
application/mrb-publish+xml
application/msc-ivr+xml
application/msc-mixer+xml
application/msword doc dot
application/mxf mxf
application/nasdata
application/news-checkgroups
application/news-groupinfo
application/news-transmission
application/nlsm1+xml
application/nss
application/ocsp-request
application/ocsp-response
application/octet-stream bin dms lrf mar so dist distz pkg bpk dump elc deploy
application/oda oda
application/odx
application/obeps-package+xml opf
application/ogg ogx
application/omdoc+xml omdoc
application/onenote onetoc
onetoc2 onetmp onepkg
application/oxps oxps
application/p2p-overlay+xml
application/parityfec
application/patch-ops-error+xml xer
application/pdf pdf

```
# application/pdx
application/pgp-encrypted pgp
# application/pgp-keys
application/pgp-signature asc sig
application/pics-rules prf
# application/pidf+xml
# application/pidf-diff+xml
application/pkcs10 p10
# application/pkcs12
application/pkcs7-mime p7m p7c
application/pkcs7-signature p7s
application/pkcs8 p8
application/pkix-attr-cert ac
application/pkix-cert cer
application/pkix-crl crl
application/pkix-pkipath pkipath
application/pkixcmp pki
application/pls+xml pls
# application/poc-settings+xml
application/postscript ai eps ps
# application/ppsp-tracker+json
# application/problem+json
# application/problem+xml
# application/provenance+xml
# application/prs.alvestrand.titrax-sheet
application/prs.cww cww
# application/prs.hpub+zip
#
application/prs.nprend
# application/prs.plucker
# application/prs.rdf-xml-crypt
# application/prs.xsf+xml
application/pskc+xml pskcxml
# application/qsig
# application/raptorfec
# application/rdap+json
application/rdf+xml rdf
application/reginfo+xml rif
application/relax-ng-compact-syntax rnc
# application/remote-printing
# application/reputon+json
application/resource-lists+xml rl
application/resource-lists-diff+xml rld
# application/rfc+xml
# application/riscos
# application/rlmi+xml
application/rls-services+xml rs
application/rpki-ghostbusters gbr
```

application/rpki-manifest mft
application/rpki-roa roa
application/rpki-updown
application/rsd+xml rsd
application/rss+xml rss
application/rtf rtf
application/rtploopback
application/rtx
application/samlassertion+xml
application/samlmetadata+xml
application/sbml+xml sbml
application/scaip+xml
application/scim+json
application/scvp-cv-request scq
application/scvp-cv-response scs
application/scvp-vp-request spq
application/scvp-vp-response spp
application/sdp sdp

application/sep+xml
application/sep-exi
application/session-info
application/set-payment
application/set-payment-initiation setpay
application/set-registration
application/set-registration-initiation setreg
application/sgml
application/sgml-open-catalog
application/shf+xml shf
application/sieve
application/simple-filter+xml
application/simple-message-summary
application/simplesymbolcontainer
application/slate
application/smil
application/smil+xml smi smil
application/smpite336m
application/soap+fastinfoset
application/soap+xml
application/sparql-query rq
application/sparql-results+xml srx
application/spirits-event+xml
application/sql
application/srgs gram
application/srgs+xml grxml
application/sru+xml sru
application/ssdl+xml ssdl
application/ssml+xml ssml

application/tamp-apex-update
application/tamp-apex-update-confirm
application/tamp-community-update

application/tamp-community-update-confirm
application/tamp-error
application/tamp-sequence-adjust
application/tamp-sequence-adjust-confirm
application/tamp-status-query
application/tamp-status-response
application/tamp-update
application/tamp-update-confirm
application/tei+xml tei teicorpus
application/thraud+xml tfi
application/timestamp-query
application/timestamp-reply
application/timestamped-data tsd
application/ttml+xml
application/tve-trigger
application/ulpfec
application/urc-grpsheet+xml
application/urc-ressheet+xml
application/urc-targetdesc+xml
application/urc-uisocketdesc+xml
application/vcard+json
application/vcard+xml
application/vemmi
application/vividence.scriptfile
application/vnd.3gpp-prose+xml
application/vnd.3gpp-prose-pc3ch+xml
application/vnd.3gpp.access-transfer-events+xml
application/vnd.3gpp.bsf+xml
application/vnd.3gpp.mid-call+xml
application/vnd.3gpp.pic-bw-large plb
application/vnd.3gpp.pic-bw-small psb
application/vnd.3gpp.pic-bw-var pvb

application/vnd.3gpp.sms
application/vnd.3gpp.sms+xml
application/vnd.3gpp.srvcc-ext+xml
application/vnd.3gpp.srvcc-info+xml
application/vnd.3gpp.state-and-event-info+xml
application/vnd.3gpp.ussd+xml
application/vnd.3gpp2.bcsmcinfo+xml
application/vnd.3gpp2.sms
application/vnd.3gpp2.tcap tcap
application/vnd.3lightssoftware.imagescal
application/vnd.3m.post-it-notes pwn

application/vnd.accpac.simply.aso aso
application/vnd.accpac.simply.imp imp
application/vnd.acucobol acu
application/vnd.acucorp atc acute
application/vnd.adobe.air-application-installer-package+zip air
application/vnd.adobe.flash.movie
application/vnd.adobe.formscentral.fcdt fcdt
application/vnd.adobe.fxp fxp fxpl
application/vnd.adobe.partial-upload
application/vnd.adobe.xdp+xml xdp
application/vnd.adobe.xfdf xfdf
application/vnd.aether.imp
application/vnd.ah-barcode
application/vnd.ahead.space ahead
application/vnd.airzip.filesecure.azf azf
application/vnd.airzip.filesecure.azs azs
application/vnd.amazon.ebook azw

application/vnd.amazon.mobi8-ebook
application/vnd.americandynamics.acc acc
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application/vnd.amundsen.maze+xml
application/vnd.android.package-archive apk
application/vnd.anki
application/vnd.anser-web-certificate-issue-initiation cii
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application/vnd.antix.game-component atx
application/vnd.apache.thrift.binary
application/vnd.apache.thrift.compact
application/vnd.apache.thrift.json
application/vnd.api+json
application/vnd.apple.installer+xml mpkg
application/vnd.apple.mpegurl m3u8
application/vnd.arastra.swi
application/vnd.aristanetworks.swi swi
application/vnd.artsquare
application/vnd.astraea-software.iota iota
application/vnd.audiograph aep
application/vnd.autopackage
application/vnd.avistar+xml
application/vnd.balsamiq.bmml+xml
application/vnd.balsamiq.bmpr

application/vnd.bekitzur-stech+json
application/vnd.biopax.rdf+xml
application/vnd.blueice.multipass mpm
application/vnd.bluetooth.ep.oob
application/vnd.bluetooth.le.oob

application/vnd.bmi bmi
application/vnd.businessobjects rep
application/vnd.cab-jscript
application/vnd.canon-cpdl
application/vnd.canon-lips
application/vnd.cendio.thinlinc.clientconf
application/vnd.century-systems.tcp_stream
application/vnd.chemdraw+xml cdxml
application/vnd.chess-pgn
application/vnd.chipnuts.karaoke-mmd mmd
application/vnd.cinderella cdy
application/vnd.cirpack.isdn-ext
application/vnd.citationstyles.style+xml
application/vnd.claymore cla
application/vnd.cloanto.rp9 rp9
application/vnd.clonk.c4group c4g c4d c4f c4p c4u
application/vnd.cluetrust.cartomobile-config c11amc
application/vnd.cluetrust.cartomobile-config-pkg c11amz
application/vnd.coffeescript
application/vnd.collection+json
application/vnd.collection.doc+json
application/vnd.collection.next+json

application/vnd.comicbook+zip
application/vnd.commerce-battelle
application/vnd.commonspace csp
application/vnd.contact.cmsg cdbcmsg
application/vnd.coreos.ignition+json
application/vnd.cosmocaller cmc
application/vnd.crick.clicker clkx
application/vnd.crick.clicker.keyboard clkk
application/vnd.crick.clicker.palette clkp
application/vnd.crick.clicker.template clkt
application/vnd.crick.clicker.wordbank clkw
application/vnd.criticaltools.wbs+xml wbs
application/vnd.ctc-posml pml
application/vnd.ctct.ws+xml
application/vnd.cups-pdf
application/vnd.cups-postscript
application/vnd.cups-ppd ppd
application/vnd.cups-raster
application/vnd.cups-raw
application/vnd.curl
application/vnd.curl.car car
application/vnd.curl.pcurl pcurl
application/vnd.cyan.dean.root+xml
application/vnd.cybank
application/vnd.dart dart

application/vnd.data-vision.rdz rdz
application/vnd.debian.binary-package
application/vnd.dece.data uvf uvvf
uvd uvvd
application/vnd.dece.ttml+xml uvt uvvt
application/vnd.dece.unsigned uvx uvvx
application/vnd.dece.zip uvz uvvz
application/vnd.denovo.fcselayout-link fe_launch
application/vnd.desmume.movie
application/vnd.dir-bi.plate-dl-nosuffix
application/vnd.dm.delegation+xml
application/vnd.dna dna
application/vnd.document+json
application/vnd.dolby.mlp mlp
application/vnd.dolby.mobile.1
application/vnd.dolby.mobile.2
application/vnd.doremir.scorecloud-binary-document
application/vnd.dpgraph dpg
application/vnd.dreamfactory dfac
application/vnd.drive+json
application/vnd.ds-keypoint kpxx
application/vnd.dtg.local
application/vnd.dtg.local.flash
application/vnd.dtg.local.html
application/vnd.dvb.ait ait
application/vnd.dvb.dvbj
application/vnd.dvb.esgcontainer
application/vnd.dvb.ipdcdftnotifaccess
application/vnd.dvb.ipdcesgaccess
application/vnd.dvb.ipdcesgaccess2
application/vnd.dvb.ipdcesgpdd
application/vnd.dvb.ipdcroaming

application/vnd.dvb.iptv.alfec-base
application/vnd.dvb.iptv.alfec-enhancement
application/vnd.dvb.notif-aggregate-root+xml
application/vnd.dvb.notif-container+xml
application/vnd.dvb.notif-generic+xml
application/vnd.dvb.notif-ia-msglist+xml
application/vnd.dvb.notif-ia-registration-request+xml
application/vnd.dvb.notif-ia-registration-response+xml
application/vnd.dvb.notif-init+xml
application/vnd.dvb.pfr
application/vnd.dvb.service svc
application/vnd.dxr
application/vnd.dynageo geo
application/vnd.dzr
application/vnd.easykaraoke.cdgdownload

```
# application/vnd.ecdis-update
application/vnd.ecowin.chart mag
# application/vnd.ecowin.filerequest
# application/vnd.ecowin.fileupdate
# application/vnd.ecowin.series
# application/vnd.ecowin.seriesrequest
# application/vnd.ecowin.seriesupdate
# application/vnd.emclient.accessrequest+xml
application/vnd.enliven nml
# application/vnd.enphase.envoy
# application/vnd.eprints.data+xml
application/vnd.epson.esf esf
application/vnd.epson.msf msf
application/vnd.epson.quickanime qam
application/vnd.epson.salt slt
application/vnd.epson.ssf ssf
#
application/vnd.ericsson.quickcall
application/vnd.eszigno3+xml es3 et3
# application/vnd.etsi.aoc+xml
# application/vnd.etsi.asic-e+zip
# application/vnd.etsi.asic-s+zip
# application/vnd.etsi.cug+xml
# application/vnd.etsi.iptvcommand+xml
# application/vnd.etsi.iptvdiscovery+xml
# application/vnd.etsi.iptvprofile+xml
# application/vnd.etsi.iptvsad-bc+xml
# application/vnd.etsi.iptvsad-cod+xml
# application/vnd.etsi.iptvsad-npvr+xml
# application/vnd.etsi.iptvservice+xml
# application/vnd.etsi.iptvsync+xml
# application/vnd.etsi.iptvueprofile+xml
# application/vnd.etsi.mcid+xml
# application/vnd.etsi.mheg5
# application/vnd.etsi.overload-control-policy-dataset+xml
# application/vnd.etsi.pstn+xml
# application/vnd.etsi.sci+xml
# application/vnd.etsi.simservs+xml
# application/vnd.etsi.timestamp-token
# application/vnd.etsi.tsl+xml
# application/vnd.etsi.tsl.der
#
application/vnd.eudora.data
application/vnd.ezpix-album ez2
application/vnd.ezpix-package ez3
# application/vnd.f-secure.mobile
# application/vnd.fastcopy-disk-image
application/vnd.fdf fdf
```

application/vnd.fdsn.mseed mseed
application/vnd.fdsn.seed seed dataless
application/vnd.ffsns
application/vnd.filmit.zfc
application/vnd.fints
application/vnd.firemonkeys.cloudcell
application/vnd.flographit gph
application/vnd.fluxtime.clip ftc
application/vnd.font-fontforge-sfd
application/vnd.frameMaker fm frame maker book
application/vnd.frogans.fnc fnc
application/vnd.frogans.ltf ltf
application/vnd.fsc.weblaunch fsc
application/vnd.fujitsu.oasys oas
application/vnd.fujitsu.oasys2 oa2
application/vnd.fujitsu.oasys3 oa3
application/vnd.fujitsu.oasysgp fg5
application/vnd.fujitsu.oasysprs bh2
application/vnd.fujixerox.art-ex
application/vnd.fujixerox.art4
application/vnd.fujixerox.ddd ddd
application/vnd.fujixerox.docuworks xdw
application/vnd.fujixerox.docuworks.binder xbd

application/vnd.fujixerox.docuworks.container
application/vnd.fujixerox.hbpl
application/vnd.fut-misnet
application/vnd.fuzzysheet fzs
application/vnd.genomatix.tuxedo txd
application/vnd.geo+json
application/vnd.geocube+xml
application/vnd.geogebra.file ggb
application/vnd.geogebra.tool ggt
application/vnd.geometry-explorer gex gre
application/vnd.geonext gxt
application/vnd.geoplan g2w
application/vnd.geospace g3w
application/vnd.gerber
application/vnd.globalplatform.card-content-mgt
application/vnd.globalplatform.card-content-mgt-response
application/vnd.gmx gmx
application/vnd.google-earth.kml+xml kml
application/vnd.google-earth.kmz kmz
application/vnd.gov.sk.e-form+xml
application/vnd.gov.sk.e-form+zip
application/vnd.gov.sk.xmldatacontainer+xml
application/vnd.grafeq gqf gqs
application/vnd.gridmp

```
application/vnd.groove-account gac
application/vnd.groove-help ghf
application/vnd.groove-identity-message gim
application/vnd.groove-injector grv
application/vnd.groove-tool-message gtm
application/vnd.groove-tool-template tpl
application/vnd.groove-vcard vcg
#
application/vnd.hal+json
application/vnd.hal+xml hal
application/vnd.handheld-entertainment+xml zmm
application/vnd.hbci hbci
# application/vnd.hcl-bireports
# application/vnd.hdt
# application/vnd.heroku+json
application/vnd.hhe.lesson-player les
application/vnd.hp-hpgl hpgl
application/vnd.hp-hpid hpid
application/vnd.hp-hps hps
application/vnd.hp-jlyt jlt
application/vnd.hp-pcl pcl
application/vnd.hp-pclxl pclxl
# application/vnd.httpphone
application/vnd.hydrostatix.sof-data sfd-hdstx
# application/vnd.hyperdrive+json
# application/vnd.hzn-3d-crossword
# application/vnd.ibm.afplinedata
# application/vnd.ibm.electronic-media
application/vnd.ibm.minipay mpy
application/vnd.ibm.modcap afp listafp list3820
application/vnd.ibm.rights-management irm
application/vnd.ibm.secure-container sc
application/vnd.iccprofile icc
icm
# application/vnd.ieee.1905
application/vnd.igloader igl
application/vnd.immervision-ivp ivp
application/vnd.immervision-ivu ivu
# application/vnd.ims.imsccv1p1
# application/vnd.ims.imsccv1p2
# application/vnd.ims.imsccv1p3
# application/vnd.ims.lis.v2.result+json
# application/vnd.ims.lti.v2.toolconsumerprofile+json
# application/vnd.ims.lti.v2.toolproxy+json
# application/vnd.ims.lti.v2.toolproxy.id+json
# application/vnd.ims.lti.v2.toolsettings+json
# application/vnd.ims.lti.v2.toolsettings.simple+json
# application/vnd.informedcontrol.rms+xml
```

```
# application/vnd.informix-visionary
# application/vnd.infotech.project
# application/vnd.infotech.project+xml
# application/vnd.innopath.wamp.notification
application/vnd.insors.igm igm
application/vnd.intercon.formnet xpw xpx
application/vnd.intergeo i2g
# application/vnd.intertrust.digibox
# application/vnd.intertrust.nncp
application/vnd.intu.qbo qbo
application/vnd.intu.qfx qfx
#
application/vnd.iptc.g2.catalogitem+xml
# application/vnd.iptc.g2.conceptitem+xml
# application/vnd.iptc.g2.knowledgeitem+xml
# application/vnd.iptc.g2.newsitem+xml
# application/vnd.iptc.g2.newsmesssage+xml
# application/vnd.iptc.g2.packageitem+xml
# application/vnd.iptc.g2.planningitem+xml
application/vnd.ipunplugged.rcprofile rcprofile
application/vnd.irepository.package+xml irp
application/vnd.is-xpr xpr
application/vnd.isac.fcs fcs
application/vnd.jam jam
# application/vnd.japannet-directory-service
# application/vnd.japannet-jpnstore-wakeup
# application/vnd.japannet-payment-wakeup
# application/vnd.japannet-registration
# application/vnd.japannet-registration-wakeup
# application/vnd.japannet-setstore-wakeup
# application/vnd.japannet-verification
# application/vnd.japannet-verification-wakeup
application/vnd.jcp.javame.midlet-rms rms
application/vnd.jisp jisp
application/vnd.joost.joda-archive joda
# application/vnd.jsk.isdn-ngn
application/vnd.kahootz ktz
ktr
application/vnd.kde.karbon karbon
application/vnd.kde.kchart chrt
application/vnd.kde.kformula kfo
application/vnd.kde.kivio flw
application/vnd.kde.kontour kon
application/vnd.kde.kpresenter kpr kpt
application/vnd.kde.kspread ksp
application/vnd.kde.kword kwd kwt
application/vnd.kenameaapp htke
application/vnd.kidspiration kia
```


application/vnd.kinar kne knp
application/vnd.koan skp skd skt skm
application/vnd.kodak-descriptor sse
application/vnd.las.las+xml lasxml
application/vnd.liberty-request+xml
application/vnd.llamagraphics.life-balance.desktop lbd
application/vnd.llamagraphics.life-balance.exchange+xml lbe
application/vnd.lotus-1-2-3 123
application/vnd.lotus-approach apr
application/vnd.lotus-freelance pre
application/vnd.lotus-notes nsf
application/vnd.lotus-organizer org
application/vnd.lotus-screencam scm
application/vnd.lotus-wordpro lwp
application/vnd.macports.portpkg portpkg
application/vnd.mapbox-vector-tile
application/vnd.marlin.drm.actiontoken+xml

application/vnd.marlin.drm.conftoken+xml
application/vnd.marlin.drm.license+xml
application/vnd.marlin.drm.mdcf
application/vnd.mason+json
application/vnd.maxmind.maxmind-db
application/vnd.mcd mcd
application/vnd.medcalldata mc1
application/vnd.mediastation.cdkey cdkey
application/vnd.meridian-slideshow
application/vnd.mfer mwf
application/vnd.mfmp mfm
application/vnd.micro+json
application/vnd.micrografx.flo flo
application/vnd.micrografx.igx igx
application/vnd.microsoft.portable-executable
application/vnd.miele+json
application/vnd.mif mif
application/vnd.minisoft-hp3000-save
application/vnd.mitsubishi.misty-guard.trustweb
application/vnd.mobius.daf daf
application/vnd.mobius.dis dis
application/vnd.mobius.mbk mbk
application/vnd.mobius.mqy mqy
application/vnd.mobius.msl msl
application/vnd.mobius.plc plc
application/vnd.mobius.txf txf
application/vnd.mophun.application mpn
application/vnd.mophun.certificate mpc
#

application/vnd.motorola.flexsuite
application/vnd.motorola.flexsuite.adsi
application/vnd.motorola.flexsuite.fis
application/vnd.motorola.flexsuite.gotap
application/vnd.motorola.flexsuite.kmr
application/vnd.motorola.flexsuite.ttc
application/vnd.motorola.flexsuite.wem
application/vnd.motorola.iprm
application/vnd.mozilla.xul+xml xul
application/vnd.ms-3mfdocument
application/vnd.ms-artgalry cil
application/vnd.ms-asf
application/vnd.ms-cab-compressed cab
application/vnd.ms-color.iccprofile
application/vnd.ms-excel xls xlm xla xlc xlt xlw
application/vnd.ms-excel.addin.macroenabled.12 xlam
application/vnd.ms-excel.sheet.binary.macroenabled.12 xlsb
application/vnd.ms-excel.sheet.macroenabled.12 xlsx
application/vnd.ms-excel.template.macroenabled.12 xltn
application/vnd.ms-fontobject eot
application/vnd.ms-htmlhelp chm
application/vnd.ms-ims ims
application/vnd.ms-lrm lrm
application/vnd.ms-office.activex+xml
application/vnd.ms-officetheme thmx

application/vnd.ms-opentype
application/vnd.ms-package.obfuscated-opentype
application/vnd.ms-pki.seccat cat
application/vnd.ms-pki.stl stl
application/vnd.ms-playready.initiator+xml
application/vnd.ms-powerpoint ppt pps pot
application/vnd.ms-powerpoint.addin.macroenabled.12 ppam
application/vnd.ms-powerpoint.presentation.macroenabled.12 pptm
application/vnd.ms-powerpoint.slide.macroenabled.12 sldm
application/vnd.ms-powerpoint.slideshow.macroenabled.12 ppsm
application/vnd.ms-powerpoint.template.macroenabled.12 potm
application/vnd.ms-printdevicecapabilities+xml
application/vnd.ms-printing.printticket+xml
application/vnd.ms-printschematicket+xml
application/vnd.ms-project mpp mpt
application/vnd.ms-tnef
application/vnd.ms-windows.devicepairing
application/vnd.ms-windows.nwprinting.oob
application/vnd.ms-windows.printerpairing
application/vnd.ms-windows.wsd.oob
application/vnd.ms-wmdrm.lic-chlg-req
application/vnd.ms-wmdrm.lic-resp

```
#
application/vnd.ms-wmdrm.meter-chlg-req
# application/vnd.ms-wmdrm.meter-resp
application/vnd.ms-word.document.macroenabled.12 docm
application/vnd.ms-word.template.macroenabled.12 dotm
application/vnd.ms-works wps wks wcm wdb
application/vnd.ms-wpl wpl
application/vnd.ms-xpsdocument xps
# application/vnd.msa-disk-image
application/vnd.mseq mseq
# application/vnd.msign
# application/vnd.multiad.creator
# application/vnd.multiad.creator.cif
# application/vnd.music-niff
application/vnd.musician mus
application/vnd.muvee.style msty
application/vnd.mynfc taglet
# application/vnd.ncd.control
# application/vnd.ncd.reference
# application/vnd.nervana
# application/vnd.netfpx
application/vnd.neurolanguage.nlu nlu
# application/vnd.nintendo.nitro.rom
# application/vnd.nintendo.snes.rom
application/vnd.nitf ntf nitf
application/vnd.noblenet-directory nnd
application/vnd.noblenet-sealer nns
application/vnd.noblenet-web nnw
# application/vnd.nokia.catalogs
#
application/vnd.nokia.conml+wbxml
# application/vnd.nokia.conml+xml
# application/vnd.nokia.iptv.config+xml
# application/vnd.nokia.isds-radio-presets
# application/vnd.nokia.landmark+wbxml
# application/vnd.nokia.landmark+xml
# application/vnd.nokia.landmarkcollection+xml
# application/vnd.nokia.n-gage.ac+xml
application/vnd.nokia.n-gage.data ngdat
application/vnd.nokia.n-gage.symbian.install n-gage
# application/vnd.nokia.ncd
# application/vnd.nokia.pcd+wbxml
# application/vnd.nokia.pcd+xml
application/vnd.nokia.radio-preset rpst
application/vnd.nokia.radio-presets rpss
application/vnd.novadigm.edm edm
application/vnd.novadigm.edx edx
application/vnd.novadigm.ext ext
```

```
# application/vnd.ntt-local.content-share
# application/vnd.ntt-local.file-transfer
# application/vnd.ntt-local.ogw_remote-access
# application/vnd.ntt-local.sip-ta_remote
# application/vnd.ntt-local.sip-ta_tcp_stream
application/vnd.oasis.opendocument.chart odc
application/vnd.oasis.opendocument.chart-template otc
application/vnd.oasis.opendocument.database odb
application/vnd.oasis.opendocument.formula odf
application/vnd.oasis.opendocument.formula-template odft
application/vnd.oasis.opendocument.graphics odg
application/vnd.oasis.opendocument.graphics-template otg
application/vnd.oasis.opendocument.image odi
application/vnd.oasis.opendocument.image-template oti
application/vnd.oasis.opendocument.presentation odp
application/vnd.oasis.opendocument.presentation-template otp
application/vnd.oasis.opendocument.spreadsheet ods
application/vnd.oasis.opendocument.spreadsheet-template ots
application/vnd.oasis.opendocument.text odt
application/vnd.oasis.opendocument.text-master odm
application/vnd.oasis.opendocument.text-template ott
application/vnd.oasis.opendocument.text-web oth
#
  application/vnd.obn
# application/vnd.ofn.110n+json
# application/vnd.oipf.contentaccessdownload+xml
# application/vnd.oipf.contentaccessstreaming+xml
# application/vnd.oipf.cspg-hexbinary
# application/vnd.oipf.dae.svg+xml
#
  application/vnd.oipf.dae.xhtml+xml
# application/vnd.oipf.mippvcontrolmessage+xml
# application/vnd.oipf.pae.gem
# application/vnd.oipf.spdiscovery+xml
# application/vnd.oipf.spdlist+xml
# application/vnd.oipf.ueprofile+xml
# application/vnd.oipf.userprofile+xml
application/vnd.olpc-sugar xo
# application/vnd.oma-scws-config
# application/vnd.oma-scws-http-request
# application/vnd.oma-scws-http-response
# application/vnd.oma.bcast.associated-procedure-parameter+xml
# application/vnd.oma.bcast.drm-trigger+xml
# application/vnd.oma.bcast.imd+xml
# application/vnd.oma.bcast.ltkm
# application/vnd.oma.bcast.notification+xml
# application/vnd.oma.bcast.provisioningtrigger
# application/vnd.oma.bcast.sgboot
```

```

# application/vnd.oma.bcast.sgdd+xml
# application/vnd.oma.bcast.sgdu
# application/vnd.oma.bcast.simple-symbol-container
# application/vnd.oma.bcast.smartcard-trigger+xml
# application/vnd.oma.bcast.sprov+xml
# application/vnd.oma.bcast.stkm
# application/vnd.oma.cab-address-book+xml
#
application/vnd.oma.cab-feature-handler+xml
# application/vnd.oma.cab-pcc+xml
# application/vnd.oma.cab-subscribe+xml
# application/vnd.oma.cab-user-prefs+xml
# application/vnd.oma.dcd
# application/vnd.oma.dcdc
application/vnd.oma.dd2+xml dd2
# application/vnd.oma.drm.risd+xml
# application/vnd.oma.group-usage-list+xml
# application/vnd.oma.lwm2m+json
# application/vnd.oma.lwm2m+tlv
# application/vnd.oma.pal+xml
# application/vnd.oma.poc.detailed-progress-report+xml
# application/vnd.oma.poc.final-report+xml
# application/vnd.oma.poc.groups+xml
# application/vnd.oma.poc.invocation-descriptor+xml
# application/vnd.oma.poc.optimized-progress-report+xml
# application/vnd.oma.push
# application/vnd.oma.scidm.messages+xml
# application/vnd.oma.xcap-directory+xml
# application/vnd.omads-email+xml
# application/vnd.omads-file+xml
# application/vnd.omads-folder+xml
# application/vnd.omaloc-supl-init
# application/vnd.onepager
# application/vnd.openblox.game+xml
#
application/vnd.openblox.game-binary
# application/vnd.openeye.oeb
application/vnd.openofficeorg.extension oxt
# application/vnd.openxmlformats-officedocument.custom-properties+xml
# application/vnd.openxmlformats-officedocument.customxmlproperties+xml
# application/vnd.openxmlformats-officedocument.drawing+xml
# application/vnd.openxmlformats-officedocument.drawingml.chart+xml
# application/vnd.openxmlformats-officedocument.drawingml.chartshapes+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagramcolors+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagramdata+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagramlayout+xml
# application/vnd.openxmlformats-officedocument.drawingml.diagramstyle+xml
# application/vnd.openxmlformats-officedocument.extended-properties+xml

```

application/vnd.openxmlformats-officedocument.presentationml.commentauthors+xml
application/vnd.openxmlformats-officedocument.presentationml.comments+xml
application/vnd.openxmlformats-officedocument.presentationml.handoutmaster+xml

application/vnd.openxmlformats-officedocument.presentationml.notesmaster+xml
application/vnd.openxmlformats-officedocument.presentationml.noteslide+xml
application/vnd.openxmlformats-officedocument.presentationml.presentation pptx
application/vnd.openxmlformats-officedocument.presentationml.presentation.main+xml
application/vnd.openxmlformats-officedocument.presentationml.presprops+xml
application/vnd.openxmlformats-officedocument.presentationml.slide sldx
application/vnd.openxmlformats-officedocument.presentationml.slide+xml
application/vnd.openxmlformats-officedocument.presentationml.slidelayout+xml
application/vnd.openxmlformats-officedocument.presentationml.slidemaster+xml
application/vnd.openxmlformats-officedocument.presentationml.slideshow ppsx
application/vnd.openxmlformats-officedocument.presentationml.slideshow.main+xml
application/vnd.openxmlformats-officedocument.presentationml.slideupdateinfo+xml

application/vnd.openxmlformats-officedocument.presentationml.tablestyles+xml
application/vnd.openxmlformats-officedocument.presentationml.tags+xml
application/vnd.openxmlformats-officedocument.presentationml.template potx
application/vnd.openxmlformats-officedocument.presentationml.template.main+xml
application/vnd.openxmlformats-officedocument.presentationml.viewprops+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.calcchain+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.chartsheet+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.comments+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.connections+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.dialogsheet+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.externallink+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.pivotcachedefinition+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.pivotcacherecords+xml

application/vnd.openxmlformats-officedocument.spreadsheetml.pivottable+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.querytable+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.revisionheaders+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.revisionlog+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.sharedstrings+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet xlsx
application/vnd.openxmlformats-officedocument.spreadsheetml.sheet.main+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.sheetmetadata+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.styles+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.table+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.tablesinglecells+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.template xltx
application/vnd.openxmlformats-officedocument.spreadsheetml.template.main+xml

application/vnd.openxmlformats-officedocument.spreadsheetml.usernames+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.volatiledependencies+xml
application/vnd.openxmlformats-officedocument.spreadsheetml.worksheet+xml

```
# application/vnd.openxmlformats-officedocument.theme+xml
# application/vnd.openxmlformats-officedocument.themeoverride+xml
# application/vnd.openxmlformats-officedocument.vmldrawing
# application/vnd.openxmlformats-officedocument.wordprocessingml.comments+xml
application/vnd.openxmlformats-officedocument.wordprocessingml.document docx
# application/vnd.openxmlformats-officedocument.wordprocessingml.document.glossary+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.document.main+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.endnotes+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.fonttable+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.footer+xml
#
application/vnd.openxmlformats-officedocument.wordprocessingml.footnotes+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.numbering+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.settings+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.styles+xml
application/vnd.openxmlformats-officedocument.wordprocessingml.template dotx
# application/vnd.openxmlformats-officedocument.wordprocessingml.template.main+xml
# application/vnd.openxmlformats-officedocument.wordprocessingml.websettings+xml
# application/vnd.openxmlformats-package.core-properties+xml
# application/vnd.openxmlformats-package.digital-signature-xmlsignature+xml
# application/vnd.openxmlformats-package.relationships+xml
# application/vnd.oracle.resource+json
# application/vnd.orange.indata
# application/vnd.osa.netdeploy
application/vnd.osgeo.mapguide.package mgp
# application/vnd.osgi.bundle
application/vnd.osgi.dp dp
application/vnd.osgi.subsystem esa
#
application/vnd.otps.ct-kip+xml
# application/vnd.oxli.countgraph
# application/vnd.pagerduty+json
application/vnd.palm pdb pqa oprc
# application/vnd.panoply
# application/vnd.paos.xml
application/vnd.pawaafile paw
# application/vnd.pcos
application/vnd.pg.format str
application/vnd.pg.asasli ei6
# application/vnd.piaccess.application-licence
application/vnd.picisel efif
application/vnd.pmi.widget wg
# application/vnd.poc.group-advertisement+xml
application/vnd.pocketlearn plf
application/vnd.powerbuilder6 pbd
# application/vnd.powerbuilder6-s
# application/vnd.powerbuilder7
# application/vnd.powerbuilder7-s
```

```
# application/vnd.powerbuilder75
# application/vnd.powerbuilder75-s
# application/vnd.preminet
application/vnd.previewsystems.box box
application/vnd.proteus.magazine mgz
application/vnd.publishare-delta-tree qps
application/vnd.pvi.ptid1 ptid
# application/vnd.pwg-multiplexed
# application/vnd.pwg-xhtml-print+xml
# application/vnd.qualcomm.brew-app-res
#
application/vnd.quarantainenet
application/vnd.quark.quarkxpress qxd qxt qwd qwt qxl qxb
# application/vnd.quobject-quoxdocument
# application/vnd.radisys.moml+xml
# application/vnd.radisys.msml+xml
# application/vnd.radisys.msml-audit+xml
# application/vnd.radisys.msml-audit-conf+xml
# application/vnd.radisys.msml-audit-conn+xml
# application/vnd.radisys.msml-audit-dialog+xml
# application/vnd.radisys.msml-audit-stream+xml
# application/vnd.radisys.msml-conf+xml
# application/vnd.radisys.msml-dialog+xml
# application/vnd.radisys.msml-dialog-base+xml
# application/vnd.radisys.msml-dialog-fax-detect+xml
# application/vnd.radisys.msml-dialog-fax-sendrecv+xml
# application/vnd.radisys.msml-dialog-group+xml
# application/vnd.radisys.msml-dialog-speech+xml
# application/vnd.radisys.msml-dialog-transform+xml
# application/vnd.rainstor.data
# application/vnd.rapid
# application/vnd.rar
application/vnd.realvnc.bed bed
application/vnd.recordare.musicxml mxl
application/vnd.recordare.musicxml+xml musicxml
#
application/vnd.renlearn.rlprint
application/vnd.rig.cryptonote cryptonote
application/vnd.rim.cod cod
application/vnd.rn-realmedia rm
application/vnd.rn-realmedia-vbr rmvb
application/vnd.route66.link66+xml link66
# application/vnd.rs-274x
# application/vnd.ruckus.download
# application/vnd.s3sms
application/vnd.sailingtracker.track st
# application/vnd.sbm.cid
# application/vnd.sbm.mid2
```


application/vnd.scribus
application/vnd.sealed.3df
application/vnd.sealed.csf
application/vnd.sealed.doc
application/vnd.sealed.eml
application/vnd.sealed.mht
application/vnd.sealed.net
application/vnd.sealed.ppt
application/vnd.sealed.tiff
application/vnd.sealed.xls
application/vnd.sealedmedia.softseal.html
application/vnd.sealedmedia.softseal.pdf
application/vnd.seemail see
application/vnd.sema sema
application/vnd.semd semd
application/vnd.semf semf
application/vnd.shana.informed.formdata ifm
application/vnd.shana.informed.formtemplate itp
application/vnd.shana.informed.interchange iif
application/vnd.shana.informed.package ipk
application/vnd.simtech-mindmapper twd
twds
application/vnd.siren+json
application/vnd.smaf mmf
application/vnd.smart.notebook
application/vnd.smart.teacher teacher
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application/vnd.software602.filler.form+xml-zip
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application/vnd.spotfire.dxp dxp
application/vnd.spotfire.sfs sfs
application/vnd.sss-cod
application/vnd.sss-dtf
application/vnd.sss-ntf
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application/vnd.stardivision.draw sda
application/vnd.stardivision.impress sdd
application/vnd.stardivision.math smf
application/vnd.stardivision.writer sdw vor
application/vnd.stardivision.writer-global sgl
application/vnd.stepmania.package smzip
application/vnd.stepmania.stepchart sm
application/vnd.street-stream
application/vnd.sun.wadl+xml
application/vnd.sun.xml.calc sxc
application/vnd.sun.xml.calc.template stc
application/vnd.sun.xml.draw sxd
application/vnd.sun.xml.draw.template std

application/vnd.sun.xml.impress sxi
application/vnd.sun.xml.impress.template sti
application/vnd.sun.xml.math sxm
application/vnd.sun.xml.writer sxw
application/vnd.sun.xml.writer.global sxx
application/vnd.sun.xml.writer.template stw
application/vnd.sus-calendar sus
susp
application/vnd.svd svd
application/vnd.swiftview-ics
application/vnd.symbian.install sis six
application/vnd.syncml+xml xsm
application/vnd.syncml.dm+wbxml bdm
application/vnd.syncml.dm+xml xdm
application/vnd.syncml.dm.notification
application/vnd.syncml.dmddf+wbxml
application/vnd.syncml.dmddf+xml
application/vnd.syncml.dmtnds+wbxml
application/vnd.syncml.dmtnds+xml
application/vnd.syncml.ds.notification
application/vnd.tao.intent-module-archive tao
application/vnd.tcpdump.pcap pcap cap dmp
application/vnd.tmd.mediaflex.api+xml
application/vnd.tml
application/vnd.tmobile-livetv tmo
application/vnd.trid.tpt tpt
application/vnd.triscape.mxs mxs
application/vnd.trueapp tra

application/vnd.truedoc
application/vnd.ubisoft.webplayer
application/vnd.ufdl ufd ufdl
application/vnd.uiq.theme utz
application/vnd.umajin umj
application/vnd.unity unityweb
application/vnd.uoml+xml uoml
application/vnd.uplanet.alert
application/vnd.uplanet.alert-wbxml
application/vnd.uplanet.bearer-choice
application/vnd.uplanet.bearer-choice-wbxml
application/vnd.uplanet.cacheop
application/vnd.uplanet.cacheop-wbxml
application/vnd.uplanet.channel
application/vnd.uplanet.channel-wbxml
application/vnd.uplanet.list
application/vnd.uplanet.list-wbxml
application/vnd.uplanet.listcmd
application/vnd.uplanet.listcmd-wbxml

```
# application/vnd.uplanet.signal
# application/vnd.uri-map
# application/vnd.valve.source.material
application/vnd.vcx vcx
# application/vnd.vd-study
# application/vnd.vectorworks
# application/vnd.vel+json
#
application/vnd.verimatrix.vcas
# application/vnd.vidsoft.vidconference
application/vnd.visio vsd vst vss vsw
application/vnd.visionary vis
# application/vnd.vividence.scriptfile
application/vnd.vsf vsf
# application/vnd.wap.sic
# application/vnd.wap.slc
application/vnd.wap.wbxml wbxml
application/vnd.wap.wmlc wmlc
application/vnd.wap.wmlscriptc wmlsc
application/vnd.webturbo wtb
# application/vnd.wfa.p2p
# application/vnd.wfa.wsc
# application/vnd.windows.devicepairing
# application/vnd.wmc
# application/vnd.wmf.bootstrap
# application/vnd.wolfram.mathematica
# application/vnd.wolfram.mathematica.package
application/vnd.wolfram.player nbp
application/vnd.wordperfect wpd
application/vnd.wqd wqd
# application/vnd.wrq-hp3000-labelled
application/vnd.wt.stf stf
# application/vnd.wv.csp+wbxml
# application/vnd.wv.csp+xml
# application/vnd.wv.ssp+xml
# application/vnd.xacml+json
application/vnd.xara xar
application/vnd.xfdl xfdl
# application/vnd.xfdl.webform
#
application/vnd.xmi+xml
# application/vnd.xmpie.cpkg
# application/vnd.xmpie.dpkg
# application/vnd.xmpie.plan
# application/vnd.xmpie.ppkg
# application/vnd.xmpie.xlim
application/vnd.yamaha.hv-dic hvd
application/vnd.yamaha.hv-script hvs
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application/vnd.yamaha.hv-voice hvp
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application/vnd.yamaha.openscoreformat.osfpvg+xml osfpvg
application/vnd.yamaha.remote-setup
application/vnd.yamaha.smaf-audio saf
application/vnd.yamaha.smaf-phrase spf
application/vnd.yamaha.through-ngn
application/vnd.yamaha.tunnel-udpencap
application/vnd.yaoweme
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application/voicexml+xml vxml
application/vq-rtcpvr
application/watcherinfo+xml
application/whoispp-query
application/whoispp-response
application/widget wgt
application/winhelp hlp
application/wita
application/wordperfect5.1
application/wsdl+xml wsdl
application/wspolicy+xml wspolicy
application/x-7z-compressed 7z
application/x-abiword abw
application/x-ace-compressed ace

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application/x-authorware-bin aab x32 u32 vox
application/x-authorware-map aam
application/x-authorware-seg aas
application/x-bcpio bcpio
application/x-bittorrent torrent
application/x-blorb blb blorb
application/x-bzip bz
application/x-bzip2 bz2 boz
application/x-cbr cbr cba cbt cbz cb7
application/x-cdlink vcd
application/x-cfs-compressed cfs
application/x-chat chat
application/x-chess-pgn pgn
application/x-compress
application/x-conference nsc
application/x-cpio cpio
application/x-csh csh
application/x-debian-package deb udeb
application/x-dgc-compressed dgc

application/x-director dir dcr dxr cst cct ext w3d fgd swa
application/x-doom wad
application/x-dtbncx+xml ncx
application/x-dtbook+xml dtb
application/x-dtbresource+xml res
application/x-dvi dvi
application/x-envoy evy
application/x-eva eva
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application/x-font-framemaker
application/x-font-ghostscript gsf
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application/x-font-otf otf
application/x-font-pcf pcf
application/x-font-snf snf
application/x-font-speedo
application/x-font-sunos-news
application/x-font-ttf ttf ttc
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application/x-futuresplash spl
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application/x-gnumeric gnumeric
application/x-gramps+xml gramps
application/x-gtar gtar
application/x-gzip
application/x-hdf hdf
application/x-install-instructions install
application/x-iso9660-image iso
application/x-java-jnlp-file jnlp
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mobi
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application/x-msaccess mdb
application/x-msbinder obd
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application/x-msclip clp
application/x-msdownload exe dll com bat msi
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application/x-msmetafile wmf wmz emf emz
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application/x-mspublisher pub
application/x-msschedule scd
application/x-msterminal trm
application/x-mswrite wri
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application/x-tex-tfm tfm
application/x-texinfo texinfo
texi
application/x-tgif obj
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application/x-x509-ca-cert der crt
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application/xcap-att+xml

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application/xcap-ns+xml
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application/xcon-conference-info-diff+xml
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xht
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application/xv+xml mxml xhvm xvm xvm
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application/yin+xml yin
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audio/midi mid midi kar rmi
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audio/musepack
audio/ogg oga ogg spx
audio/opus
audio/parityfec
audio/pcma
audio/pcma-wb
audio/pcmu
audio/pcmu-wb
audio/prs.sid
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audio/rtploopback
audio/rtx
audio/s3m s3m
audio/silk sil

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audio/smv0
audio/sp-midi
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audio/t140c
audio/t38
audio/telephone-event
audio/tone
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audio/vnd.cns.inf1

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audio/vnd.dts dts
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audio/vnd.everad.plj
audio/vnd.hns.audio
audio/vnd.lucent.voice lvp
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audio/vorbis-config
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audio/x-aac aac
audio/x-aiff aif aiff aifc
audio/x-caf caf
audio/x-flac flac
audio/x-matroska mka
audio/x-mpegurl m3u
audio/x-ms-wax wax
audio/x-ms-wma wma
audio/x-pn-realaudio ram ra
audio/x-pn-realaudio-plugin rmp
audio/x-tta
audio/x-wav wav
audio/xm xm
chemical/x-cdx cdx

chemical/x-cif cif
chemical/x-cmdf cmdf
chemical/x-cml cml
chemical/x-csml csml
chemical/x-pdb
chemical/x-xyz xyz
image/bmp bmp
image/cgm cgm
image/dicom-rle
image/emf
image/example
image/fits
image/g3fax g3
image/gif gif
image/ief ief
image/jls
image/jp2
image/jpeg jpeg jpg jpe
image/jpm
image/jpx
image/ktx ktx
image/naplps
image/png png
image/prs.btif btif

image/prs.pti
image/pwg-raster
image/sgi sgi
image/svg+xml svg svgz
image/t38
image/tiff tiff tif
image/tiff-fx
image/vnd.adobe.photoshop psd
image/vnd.airzip.accelerator.azv
image/vnd.cns.inf2
image/vnd.dece.graphic uvi uvvi uvg uvvg
image/vnd.djvu djvu djv
image/vnd.dvb.subtitle sub
image/vnd.dwg dwg
image/vnd.dxf dxf
image/vnd.fastbidsheet fbs
image/vnd.fpx fpx
image/vnd.fst fst
image/vnd.fujixerox.edmics-mmr mmr
image/vnd.fujixerox.edmics-rlc rlc
image/vnd.globalgraphics.pgb
image/vnd.microsoft.icon
image/vnd.mix

```
# image/vnd.mozilla.apng
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image/vnd.net-fpx npx
# image/vnd.radiance
# image/vnd.sealed.png
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image/vnd.xiff xif
# image/vnd.zbrush.pcx
image/webp webp
# image/wmf
image/x-3ds 3ds
image/x-cmu-raster ras
image/x-cmx cmx
image/x-freehand fh
fhc fh4 fh5 fh7
image/x-icon ico
image/x-mrsid-image sid
image/x-pcx pcx
image/x-pict pic pict
image/x-portable-anymap pnm
image/x-portable-bitmap pbm
image/x-portable-graymap pgm
image/x-portable-pixmap ppm
image/x-rgb rgb
image/x-tga tga
image/x-xbitmap xbm
image/x-xpixmap xpm
image/x-xwindowdump xwd
# message/cpim
# message/delivery-status
# message/disposition-notification
# message/example
# message/external-body
# message/feedback-report
# message/global
# message/global-delivery-status
# message/global-disposition-notification
# message/global-headers
# message/http
# message/imdn+xml
# message/news
# message/partial
```

message/rfc822 eml mime
message/s-http
message/sip
message/sipfrag
message/tracking-status
message/vnd.si.simp
message/vnd.wfa.wsc
model/example
model/gltf+json
model/iges igs iges
model/mesh msh mesh silo
model/vnd.collada+xml dae
model/vnd.dwf dwf

model/vnd.flatland.3dml
model/vnd.gdl gdl
model/vnd.gs-gdl
model/vnd.gs.gdl
model/vnd.gtw gtw
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model/vnd.mts mts
model/vnd.opengex
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model/vnd.parasolid.transmit.text
model/vnd.rosette.annotated-data-model
model/vnd.valve.source.compiled-map
model/vnd.vtu vtu
model/vrml wrl vrml
model/x3d+binary x3db x3dbz
model/x3d+fastinfoset
model/x3d+vrml x3dv x3dvz
model/x3d+xml x3d x3dz
model/x3d-vrml
multipart/alternative
multipart/appledouble
multipart/byteranges
multipart/digest
multipart/encrypted
multipart/example
multipart/form-data
multipart/header-set
multipart/mixed
multipart/parallel
multipart/related
multipart/report
multipart/signed
multipart/voice-message
multipart/x-mixed-replace

text/1d-interleaved-parityfec
text/cache-manifest appcache
text/calendar ics ifb
text/css css
text/csv csv
text/csv-schema

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text/dns
text/ecmascript
text/encaprtpt
text/enriched
text/example
text/fwdred
text/grammar-ref-list
text/html html htm
text/javascript
text/jcr-cnd
text/markdown
text/mizar
text/n3 n3
text/parameters
text/parityfec
text/plain txt text conf def list log in
text/provenance-notation
text/prs.fallenstein.rst
text/prs.lines.tag dsc
text/prs.prop.logic
text/raptorfec
text/red
text/rfc822-headers
text/richtext rtx
text/rtf
text/rtp-enc-aescm128
text/rtploopback
text/rtx
text/sgml sgml sgm
text/t140
text/tab-separated-values tsv
text/troff t tr roff man me ms
text/turtle ttl
text/ulpfec
text/uri-list uri uris urls
text/vcard vcard
text/vnd.a
text/vnd.abc
text/vnd.curl curl
text/vnd.curl.dcurl dcurl

```
text/vnd.curl.mcurl  mcurl
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# text/vnd.debian.copyright
# text/vnd.dmclientscript
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text/vnd.in3d.spot  spot
#
  text/vnd.iptc.newsml
# text/vnd.iptc.nitf
# text/vnd.latex-z
# text/vnd.motorola.reflex
# text/vnd.ms-mediapackage
# text/vnd.net2phone.commcenter.command
# text/vnd.radisys.msml-basic-layout
# text/vnd.si.uricatalogue
text/vnd.sun.j2me.app-descriptor  jad
# text/vnd.trolltech.linguist
# text/vnd.wap.si
# text/vnd.wap.sl
text/vnd.wap.wml  wml
text/vnd.wap.wmlscript  wmls
text/x-asm  s asm
text/x-c  c cc cxx cpp h hh dic
text/x-fortran  f for f77 f90
text/x-java-source  java
text/x-nfo  nfo
text/x-opml  opml
text/x-pascal  p pas
text/x-setext  etx
text/x-sfv  sfv
text/x-uuencode  uu
text/x-vcalendar  vcs
text/x-vcard  vcf
# text/xml
# text/xml-external-parsed-entity
# video/1d-interleaved-parityfec
video/3gpp  3gp
# video/3gpp-tt
video/3gpp2  3g2
# video/bmpeg
# video/bt656
# video/celb
# video/dv
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# video/encaprtsp
#
video/example
video/h261 h261
video/h263 h263
# video/h263-1998
# video/h263-2000
video/h264 h264
# video/h264-rcdo
# video/h264-svc
# video/h265
# video/iso.segment
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# video/jpeg2000
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video/mj2 mj2 mjp2
# video/mp1s
# video/mp2p
# video/mp2t
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# video/mp4v-es
video/mpeg mpeg mpg mpe m1v m2v
# video/mpeg4-generic
# video/mpv
# video/nv
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# video/parityfec
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# video/raw
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# video/rtploopback
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video/vnd.sealed.mpeg4
video/vnd.sealed.swf
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video/vnd.uvu.mp4 uvu uvvu
video/vnd.vivo viv
video/vp8
video/webm webm
video/x-f4v f4v
video/x-fli fli
video/x-flv flv
video/x-m4v m4v
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video/x-mng mng
video/x-ms-asf asf asx
video/x-ms-vob vob
video/x-ms-wm wm
video/x-ms-wmv wmv
video/x-ms-wmx wmx
video/x-ms-wvx wvx
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video/x-sgi-movie movie
video/x-smv smv
x-conference/x-cooltalk ice

Found

in path(s):

* /opt/ws_local/PERMITS_SQL/1070671907_1594727169.48/0/spring-web-5-1-15-release-sources-jar/org/springframework/http/mime.types

1.612 spring-aop 5.1.15.RELEASE

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/CglibAopProxy.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/ProxyFactoryBean.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-

jar/org/springframework/aop/aspectj/AspectJWeaverMessageHandler.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/TargetClassAware.java

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/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterAdvice.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/ProxyMethodInvocation.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/DefaultAopProxyFactory.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/StaticMethodMatcherPointcutAdvisor.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/annotation/InstantiationModelAwarePointcutAdvisorImpl.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/autoproxy/AutoProxyUtils.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcut.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapters/GlobalAdvisorAdapterRegistry.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AopConfigUtils.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
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jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/aspectj/SimpleAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/IntroductionAwareMethodMatcher.java
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jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java
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jar/org/springframework/aop/target/AbstractLazyCreationTargetSource.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
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jar/org/springframework/aop/framework/AbstractAdvisingBeanPostProcessor.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
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jar/org/springframework/aop/framework/AopContext.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-

```

jar/org/springframework/aop/framework/ProxyProcessorSupport.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapter/ThrowsAdviceAdapter.java

*

/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJAopUtils.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/AopConfigException.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AdviceEntry.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/AopProxy.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AopNamespaceHandler.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/DynamicIntroductionAdvice.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AdvisorEntry.java

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/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/PoolingConfig.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/scope/DefaultScopedObject.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/interceptor/DebugInterceptor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/scope/ScopedObject.java

*

/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/IntroductionInfo.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/IntroductionAdvisor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/PointcutAdvisor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java

*

/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/PointcutComponentDefinition.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/SimpleBeanTargetSource.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/Pointcut.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/PointcutEntry.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/AopProxyFactory.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/dynamic/Refreshable.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/AfterReturningAdvice.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/AopInvocationException.java

*

/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/LazyInitTargetSource.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/MethodMatcher.java
*
/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/Pointcuts.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/ClassFilters.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/MethodMatchers.java
*
/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/autoproxy/AbstractAutoProxyCreator.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/DefaultIntroductionAdvisor.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-

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jar/org/springframework/aop/ClassFilter.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
*
/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/support/NameMatchMethodPointcut.java
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jar/org/aopalliance/intercept/Interceptor.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/scope/ScopedProxyUtils.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/support/ControlFlowPointcut.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/support/ComposablePointcut.java
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jar/org/springframework/aop/target/PrototypeTargetSource.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/framework/autoprox/target/LazyInitTargetSourceCreator.java
*
/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java
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jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/AfterAdvice.java
*
  /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/RawTargetAccess.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/BeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/SpringProxy.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/config/AspectEntry.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/framework/AopInfrastructureBean.java
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jar/org/springframework/aop/IntroductionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/framework/AdvisedSupportListener.java
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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/aopalliance/intercept/Joinpoint.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/aopalliance/aop/Advice.java

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* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-

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jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
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jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
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jar/org/springframework/aop/target/ThreadLocalTargetSource.java
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jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/interceptor/SimpleTraceInterceptor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/DelegatingIntroductionInterceptor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/interceptor/CustomizableTraceInterceptor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/AopProxyUtils.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/ExpressionPointcut.java

*

/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/SimpleBeanFactoryAwareAspectInstanceFactory.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/framework/autoproxy/InfrastructureAdvisorAutoProxyCreator.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/config/AspectComponentDefinition.java

* /opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java

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/opt/ws_local/PERMITS_SQL/1070675066_1594727321.76/0/spring-aop-5-1-15-release-sources-jar/org/springframework/aop/interceptor/AbstractMonitoringInterceptor.java

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1.613 spring-web-mvc 5.1.15.RELEASE

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-
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jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMapMethodArgumentResolver.java
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jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestDataBinderFactory.java
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/opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-
jar/org/springframework/web/servlet/config/CorsBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewResponseBodyAdvice.java
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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/tiles3/SpringBeanPreparerFactory.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java

* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/handler/ConversionServiceExposingInterceptor.java

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/opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/handler/MatchableHandlerMapping.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerAdapter.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java

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/opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/handler/RequestMatchResult.java

* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java

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/opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/AbstractTemplateView.java

* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/mvc/Controller.java

* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/NoHandlerFoundException.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java
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/**

* XSLT-driven View that allows for response context to be rendered as the

* result of an XSLT transformation.

*

* <p>The XSLT Source object is supplied as a parameter in the model and then

* { @link #locateSource detected} during response rendering. Users can either specify

* a specific entry in the

model via the { @link #setSourceKey sourceKey} property or

* have Spring locate the Source object. This class also provides basic conversion

* of objects into Source implementations. See { @link #getSourceTypes() here }

* for more details.

*

* <p>All model parameters are passed to the XSLT Transformer as parameters.

* In addition the user can configure { @link #setOutputProperties output properties }

* to be passed to the Transformer.

*

* @author Rob Harrop

* @author Juergen Hoeller

* @since 2.0

*/

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/support/SessionFlashMapManager.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMappingJacksonResponseBodyAdvice.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/FlashMapManager.java
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*
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- * /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/ModelAndView.java
- * /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/resource/ResourceTransformerChain.java
- * /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/View.java
- * /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/ViewResolver.java
- * /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/annotation/CorsRegistration.java
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jar/org/springframework/web/servlet/resource/GzipResourceResolver.java
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jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodArgumentResolver.
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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistry.java

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* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java
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*/
/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality,
 * protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070673250_1594726885.28/0/spring-webmvc-5-1-15-release-sources-
jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java
```

1.614 spring-jcl 5.1.15.RELEASE

1.614.1 Available under license :

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 */
```

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```
* /opt/ws_local/PERMITS_SQL/1070675392_1594726835.69/0/spring-jcl-5-1-15-release-sources-
```

jar/org/apache/commons/logging/LogAdapter.java

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* /opt/ws_local/PERMITS_SQL/1070675392_1594726835.69/0/spring-jcl-5-1-15-release-sources-jar/org/apache/commons/logging/LogFactory.java

* /opt/ws_local/PERMITS_SQL/1070675392_1594726835.69/0/spring-jcl-5-1-15-release-sources-jar/org/apache/commons/logging/LogFactoryService.java

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```
* /opt/ws_local/PERMITS_SQL/1070675392_1594726835.69/0/spring-jcl-5-1-15-release-sources-
jar/org/apache/commons/logging/impl/NoOpLog.java
```

1.615 spring-expression 5.1.15.RELEASE

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```
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
```

jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/NullLiteral.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpLE.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/StringLiteral.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/AstUtils.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/TypedValue.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/SpelEvaluationException.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/Selection.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/common/LiteralExpression.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpAnd.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/Operation.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/IntLiteral.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/BeanResolver.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpDivide.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-

jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/ExpressionException.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/standard/SpelCompiler.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/InlineList.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpGT.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpOr.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OperatorNot.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpModulus.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/FloatLiteral.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/BooleanLiteral.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/standard/Tokenizer.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/Assign.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ExpressionState.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/Identifier.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/Elvis.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/CodeFlow.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpGE.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/RealLiteral.java

* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/OpMultiply.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/OpPlus.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/VariableReference.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/EvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/SpelNode.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/LongLiteral.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/SpelMessage.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/Ternary.java
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 - * /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/ConstructorExecutor.java
 - *
 - * /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/common/TemplateParserContext.java
 - * /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/MethodExecutor.java
 - * /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/ExpressionInvocationTargetException.java
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/OperatorBetween.java
*

/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/SpelCompilerMode.java
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/EvaluationException.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/TypeLocator.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/MethodFilter.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/ConstructorResolver.java
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
*
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/ParseException.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/ParserContext.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/AccessException.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/OpInc.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/PropertyAccessor.java
*
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/Expression.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/spel/ast/Literal.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-jar/org/springframework/expression/TypeComparator.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-

jar/org/springframework/expression/spel/CompiledExpression.java
*
/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/OperatorOverloader.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/SpelParseException.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpMinus.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/TypeConverter.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/OpDec.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
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/opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/ValueRef.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/support/StandardTypeComparator.java
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/Operator.java
* /opt/ws_local/PERMITS_SQL/1070675412_1594727167.84/0/spring-expression-5-1-15-release-sources-
jar/org/springframework/expression/spel/ast/MethodReference.java
```

1.616 spring-context 5.1.15.RELEASE

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jar/org/springframework/jmx/export/annotation/ManagedResource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/jmx/export/annotation/ManagedMetric.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/datetime/joda/MonthDayFormatter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/number/PercentStyleFormatter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scripting/support/StandardScriptEvalException.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/datetime/joda/DurationFormatter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java
*
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/event/EventListenerFactory.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/PayloadApplicationEvent.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/ImportResource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/remoting/RemoteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/AbstractMessageSource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/support/AbstractCacheManager.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/validation/DataBinder.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/SmartLifecycle.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/AbstractApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/GenericApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/event/ApplicationListenerMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/interceptor/CacheAspectSupport.java
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/interceptor/CacheOperationSource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/ResourceLoaderAware.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

jar/org/springframework/cache/concurrent/ConcurrentMapCache.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/instrument/classloading/ShadowingClassLoader.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/support/DefaultMessageSourceResolvable.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scripting/support/StandardScriptFactory.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/Cache.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/event/EventListenerMethodProcessor.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/Import.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/jmx/access/MBeanClientInterceptor.java
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jar/org/springframework/instrument/classloading/ResourceOverridingShadowingClassLoader.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/metadata/ManagedAttribute.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/ui/ConcurrentModel.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/SchedulingTaskExecutor.java

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/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/Scope.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/LiveBeansView.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/interceptor/SimpleCacheResolver.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/Bean.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/MBeanExporter.java

*

/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/annotation/EnableCaching.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/format/datetime/joda/JodaTimeContextHolder.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/validation/DefaultBindingErrorProcessor.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/MBeanExportOperations.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

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jar/org/springframework/cache/interceptor/CacheResolver.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/EnableAspectJAutoProxy.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/ApplicationEvent.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/interceptor/CacheOperationExpressionEvaluator.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/validation/AbstractErrors.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/interceptor/CachePutOperation.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/EmbeddedValueResolverAware.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/annotation/NumberFormat.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scripting/ScriptCompilationException.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/MessageSourceAware.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/ui/context/support/DelegatingThemeSource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/jmx/support/JmxUtils.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/jndi/JndiTemplate.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

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jar/org/springframework/format/datetime/standard/DateTimeFormatterFactory.java
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/cache/interceptor/AbstractCacheInvoker.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/cache/annotation/CachingConfigurer.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/validation/Validator.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/validation/MessageCodeFormatter.java
 *

/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/expression/CachedExpressionEvaluator.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/support/ApplicationObjectSupport.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/validation/AbstractPropertyBindingResult.java
 *
 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/validation/BindException.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/jmx/export/notification/NotificationPublisher.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/cache/config/CacheManagementConfigUtils.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/event/EventExpressionRootObject.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

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jar/org/springframework/instrument/classloading/websphere/WebSphereClassLoaderAdapter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/support/ContextTypeMatchClassLoader.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/jndi/JndiObjectFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scripting/support/ResourceScriptSource.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/remoting/rmi/RmiInvocationWrapper.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/ui/Model.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/remoting/support/SimpleHttpServerFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/Lifecycle.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/interceptor/VariableNotAvailableException.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/support/FormattingConversionService.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/remoting/rmi/RemoteInvocationSerializingExporter.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/validation/SmartValidator.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/BeanAnnotationHelper.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

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jar/org/springframework/context/expression/BeanFactoryResolver.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/validation/AbstractBindingResult.java
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 jar/org/springframework/validation/DirectFieldBindingResult.java
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java

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/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/remoting/rmi/JndiRmiServiceExporter.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/ConditionContext.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/BeanDefinitionDsl.kt

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/validation/ValidationUtils.java

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 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/weaving/LoadTimeWeaverAware.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/ui/context/Theme.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/jmx/export/assembly/MBeanInfoAssembler.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/remoting/RemoteProxyFailureException.java
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 jar/org/springframework/remoting/soap/SoapFaultException.java
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/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/ejb/config/LocalStatelessSessionBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/export/annotation/AnnotationMBeanExporter.java
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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/ParserStrategyUtils.java

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/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/scheduling/config/FixedRateTask.java

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/support/StaticApplicationContext.java

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jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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 jar/org/springframework/scheduling/config/CronTask.java
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 jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java

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 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/cache/interceptor/NamedCacheResolver.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/stereotype/Repository.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
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 /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
 jar/org/springframework/context/support/AbstractXmlApplicationContext.java
 * /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-

jar/org/springframework/ui/ExtendedModelMap.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/ejb/access/LocalSlsbInvokerInterceptor.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/interceptor/CacheErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
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jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
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jar/org/springframework/context/annotation/ScopeMetadataResolver.java
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jar/org/springframework/remoting/support/RemoteInvocationFactory.java
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jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
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* limitations under the License.
*/
/**
* Indicates that a component is only eligible for registration when all
* { @linkplain #value specified conditions } match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see { @link Condition } for details).
*
*
* <p>The { @code @Conditional } annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* { @code @Component }, including { @link Configuration @Configuration } classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any { @link Bean @Bean } method</li>
* </ul>
*
* <p>If a { @code @Configuration } class is marked with { @code @Conditional },
* all of the { @code @Bean } methods, { @link Import @Import } annotations, and
* { @link ComponentScan @ComponentScan } annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of { @code @Conditional } annotations
```

* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* { @code @Conditional } itself is not declared as
* { @link java.lang.annotation.Inherited
@Inherited }; furthermore, any
* custom `composed annotation` that is meta-annotated with
* { @code @Conditional } must not be declared as { @code @Inherited }.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

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* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/context/annotation/LoadTimeWeavingConfiguration.java

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*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ImportSelector.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/DeferredImportSelector.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/PropertySource.java
*
/opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/Configuration.java
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/context/annotation/MBeanExportConfiguration.java
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```

```

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```

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```

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```

```

*/

```

```

/**

```

```

* Abstract the invocation of a cache operation.

```

```

*

```

```

* <p>Does not provide a way to transmit checked exceptions but

```

```

* provide a special exception that should be used to wrap any

```

```

* exception that was thrown by the underlying invocation.

```

```

* Callers are expected to handle this issue type specifically.

```

```
*
* @author Stephane Nicoll
* @since 4.1
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java
```

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*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-
jar/org/springframework/validation/MapBindingResult.java
```

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*/
```

```
/**
```

```
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
```


* reference through WebSphere's proprietary { @code AdminServiceFactory } API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the { @code MBeanServer } for bean references.
* This FactoryBean is a direct alternative
to { @link MBeanServerFactoryBean },
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
*
* <p>See the javadocs for WebSphere's
* { @code AdminServiceFactory }
* and { @code MBeanFactory }.
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070674676_1594727291.29/0/spring-context-5-1-15-release-sources-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

1.617 spring-framework 5.1.15.RELEASE

1.617.1 Available under license :

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*/
```

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/FileSystemUtils.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/support/PropertySourceFactory.java

*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/KotlinDetector.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/MethodMetadataReadingVisitor.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/GenericTypeResolver.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/ClassUtils.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/codec/StringDecoder.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/proxy/MethodProxy.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/core/ReflectUtils.java

*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/core/AsmApi.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/core/AbstractClassGenerator.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/core/KeyFactory.java

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- */

Found in path(s):

- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/AnnotationMetadata.java
- *
- /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/ConversionService.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/TypeUtils.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/FileSystemResourceLoader.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/env/EnvironmentCapable.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/concurrent/ListenableFutureAdapter.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StreamConverter.java
- *
- /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/AnnotationAttributeExtractor.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/converter/GenericConverter.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ObjectToOptionalConverter.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/xml/AbstractXMLReader.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/CollectionToObjectConverter.java
- * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReader.java
- *

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/style/DefaultToStringStyler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/ResolvableTypeProvider.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/StandardAnnotationMetadata.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/concurrent/FutureAdapter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/MapAnnotationAttributeExtractor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/filter/AspectJTypeFilter.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/codec/DecodingException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/StringValueResolver.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/NestedExceptionUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/InputStreamSource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/lang/NonNullApi.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/ClassMetadata.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/Order.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/serializer/DefaultDeserializer.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/AbstractConditionalEnumConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/style/ToStringStyler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/MethodClassKey.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/ClassMetadataReadingVisitor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/StandardClassMetadata.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-

jar/org/springframework/core/convert/support/StringToArrayConverter.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/AbstractStaxHandler.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/env/MissingRequiredPropertiesException.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/StandardReflectionParameterNameDiscoverer.java
 *
 /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/StaxStreamXMLReader.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/support/DefaultConversionService.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/NestedIOException.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/io/support/VfsPatternUtils.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/ConverterNotFoundException.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/codec/CodecException.java
 *
 /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/support/MapToMapConverter.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/StaxResult.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/converter/ConvertingComparator.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/DecoratingClassLoader.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/ConversionFailedException.java
 *
 /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/support/IdToEntityConverter.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/io/support/EncodedResource.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/InvalidMimeTypeException.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/CustomizableThreadCreator.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/codec/EncodingException.java

```
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/ResourceEditor.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/NumberUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/env/CompositePropertySource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/WritableResource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/support/StringToCharacterConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/KotlinReflectionParameterNameDiscoverer.java
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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/log/LogFormatUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/support/ResourcePatternUtils.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/ObjectUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/codec/AbstractEncoder.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/buffer/DataBufferUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/buffer/LimitedDataBufferList.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
```

```

jar/org/springframework/core/ReactiveTypeDescriptor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/TypeDescriptor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/codec/AbstractDataBufferDecoder.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/AntPathMatcher.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/MimeType.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/Base64Utils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/ReflectionUtils.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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jar/org/springframework/core/log/LogDelegateFactory.java
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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/env/PropertiesPropertySource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/CollectionFactory.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/PropertyPlaceholderHelper.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/log/CompositeLog.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/lang/NonNullFields.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/PriorityOrdered.java

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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/AnnotationUtils.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/CollectionUtils.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/AnnotationAttributes.java

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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/SerializationUtils.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/FileSystemResource.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/unit/DataUnit.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/IntegerToEnumConverterFactory.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/LinkedMultiValueMap.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/env/AbstractEnvironment.java

*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/SocketUtils.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/RecursiveAnnotationArrayVisitor.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/DefaultResourceLoader.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/AnnotationReadingVisitorUtils.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/lang/Nullable.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/PathResource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/ConcurrentReferenceHashMap.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/buffer/DataBufferLimitException.java
*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ConversionUtils.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/env/StandardEnvironment.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/ReactiveAdapter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/ReactiveAdapterRegistry.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/ResolvableType.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/lang/NonNull.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/buffer/NettyDataBuffer.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/SmartClassLoader.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/xml/SimpleTransformErrorListener.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/style/DefaultValueStyler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/task/SyncTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/xml/SimpleSaxErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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jar/org/springframework/core/task/TaskRejectedException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/task/TaskTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/type/classreading/MetadataReaderFactory.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/support/NumberToCharacterConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/serializer/support/SerializationFailedException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/ClassRelativeResourceLoader.java
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jar/org/springframework/cglib/proxy/Enhancer.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/env/MapPropertySource.java

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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/SpringCglibInfo.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/converter/ConditionalConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ArrayToObjectConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ArrayToStringConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/cglib/core/SpringNamingPolicy.java

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/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StringToCollectionConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/PropertiesToStringConverter.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/ConfigurableConversionService.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/concurrent/FailureCallback.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/lang/UsesSunMisc.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/backoff/BackOff.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/DefaultAnnotationAttributeExtractor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/codec/Decoder.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/DefaultPropertiesPersister.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/task/TaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/filter/TypeFilter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/AbstractAliasAwareAnnotationAttributeExtractor.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/ProtocolResolver.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/SynthesizedAnnotationInvocationHandler.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
No license file was found, but licenses were detected in source scan.

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/buffer/NettyDataBufferFactory.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/comparator/CompoundComparator.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/backoff/ExponentialBackOff.java
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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/classreading/SimpleMetadataReaderFactory.java
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 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/io/ByteArrayResource.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/codec/ByteArrayDecoder.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/comparator/NullSafeComparator.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/task/AsyncListenableTaskExecutor.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/DomUtils.java
 *
 /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/env/Profiles.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/codec/ByteArrayEncoder.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/StaxSource.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/io/ClassPathResource.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/MethodIntrospector.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/concurrent/SettableListenableFuture.java
 *
 /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/NamedInheritableThreadLocal.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/core/env/SimpleCommandLinePropertySource.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
 jar/org/springframework/util/xml/DomContentHandler.java
 * /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-

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jar/org/springframework/core/NamedThreadLocal.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/codec/Hints.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/xml/StaxEventHandler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/SimpleAliasRegistry.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/converter/ConverterFactory.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/UrlResource.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/function/SingletonSupplier.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/io/support/ResourcePropertySource.java
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jar/org/springframework/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/SymbolTable.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/AnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/Constants.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/ModuleVisitor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/asm/ClassWriter.java
```

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Handler.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/ModuleWriter.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/CurrentFrame.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/ClassTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Context.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/TypeReference.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/ConstantDynamic.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/ByteVector.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Symbol.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Frame.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/TypePath.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/MethodTooLargeException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/FieldWriter.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/ClassReader.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/Type.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/asm/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-

jar/org/springframework/asm/ClassVisitor.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java

*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/io/support/ResourcePatternResolver.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/style/ValueStyler.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/ConversionException.java

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* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StringToCurrencyConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/util/AlternativeJdkIdGenerator.java

*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/MethodMetadata.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/annotation/AliasFor.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StringToCharsetConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/serializer/support/SerializationDelegate.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/convert/support/StringToUUIDConverter.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/AnnotatedTypeMetadata.java

*

/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/AliasRegistry.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/Ordered.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-jar/org/springframework/core/type/StandardMethodMetadata.java

* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-


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jar/org/springframework/util/IdGenerator.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/SimpleIdGenerator.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/JdkIdGenerator.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/serializer/DefaultSerializer.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/serializer/support/SerializingConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/annotation/AnnotationConfigurationException.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/serializer/support/DeserializingConverter.java
* /opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/core/annotation/SynthesizedAnnotation.java
*
/opt/ws_local/PERMITS_SQL/1070671486_1594727013.72/0/spring-core-5-1-15-release-sources-
jar/org/springframework/util/ResizableByteArrayOutputStream.java
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jar/org/springframework/core/type/classreading/MetadataReader.java
```

1.618 netty-handler-proxy 4.1.50.Final

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jar/io/netty/handler/proxy/ProxyConnectException.java
* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
jar/io/netty/handler/proxy/Socks5ProxyHandler.java
*
/opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
jar/io/netty/handler/proxy/ProxyConnectionEvent.java
* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
jar/io/netty/handler/proxy/Socks4ProxyHandler.java
* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
jar/io/netty/handler/proxy/ProxyHandler.java
* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
jar/io/netty/handler/proxy/HttpProxyHandler.java
* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968358_1594795913.86/0/netty-handler-proxy-4-1-50-final-sources-jar/META-INF/maven/io.netty/netty-handler-proxy/pom.xml

1.619 netty-codec-socks 4.1.50.Final

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jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
*

/opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java
*

/opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socksx/v4/Socks4Message.java

* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java

* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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jar/io/netty/handler/codec/socksx/package-info.java
* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
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jar/io/netty/handler/codec/socks/SocksAddressType.java
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
jar/io/netty/handler/codec/socks/SocksResponseType.java
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/opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-
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* /opt/ws_local/PERMITS_SQL/1070968323_1594817083.93/0/netty-codec-socks-4-1-50-final-sources-

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jar/io/netty/handler/codec/socks/SocksMessage.java
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jar/io/netty/handler/codec/socks/SocksInitRequest.java

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1.620 purell 1.0.0

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- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/CancelServerStreamCommand.java
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- /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/AbstractNettyHandler.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/NettyServerProvider.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/WriteQueue.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/ProtocolNegotiators.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/JettyTlsUtil.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/NettyWritableBufferAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/SendPingCommand.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/NettyWritableBuffer.java
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- /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/NettyClientStream.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/ProtocolNegotiator.java
- * /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/GrpcSslContexts.java

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* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/MaxConnectionIdleManager.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/KeepAliveEnforcer.java
```

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```

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```
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyClientTransport.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyServerBuilder.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyChannelBuilder.java
*
```

```
/*
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/CancelClientStreamCommand.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyServer.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyServerHandler.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
```

jar/io/grpc/netty/NettyServerStream.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/SendGrpcFrameCommand.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/Utils.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NegotiationType.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/CreateStreamCommand.java
*

/opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/SendResponseHeadersCommand.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyServerTransport.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyReadableBuffer.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-
jar/io/grpc/netty/NettyClientHandler.java

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jar/io/grpc/netty/Http2ControlFrameLimitEncoder.java

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* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/WriteBufferingAndExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalWriteBufferingAndExceptionHandlerUtils.java
*
/opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalProtocolNegotiators.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalProtocolNegotiationEvent.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/ProtocolNegotiationEvent.java
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* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/GracefulCloseCommand.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalNettyServerBuilder.java

*
/opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalNettyChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/ForcefulCloseCommand.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/NettyHandlerSettings.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/AbstractHttp2Headers.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/ClientTransportLifecycleManager.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/GrpcHttp2OutboundHeaders.java
* /opt/ws_local/PERMITS_SQL/1072388187_1594998074.21/0/grpc-netty-1-29-0-sources-jar/io/grpc/netty/InternalHandlerSettings.java

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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/context/properties/package-info.java

*

/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/web/jersey/JerseyEndpointResourceFactory.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoke/reflect/OperationMethodParameters.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/web/reactive/WebFluxEndpointHandlerMapping.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/cache/CacheMetricsRegistrar.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/export/prometheus/PrometheusScrapeEndpoint.java

*

/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/elasticsearch/ElasticsearchJestHealthIndicator.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/health/DefaultReactiveHealthIndicatorRegistry.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/logging/LoggersEndpoint.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/web/annotation/ServletEndpointDiscoverer.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/annotation/JmxEndpointDiscoverer.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/mail/package-info.java

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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/web/tomcat/TomcatMetricsBinder.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/security/AbstractAuthorizationAuditListener.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/web/mappings/reactive/DispatcherHandlerMappingDetails.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/cassandra/CassandraHealthIndicator.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/AbstractExposableEndpoint.java

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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/health/Status.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/cache/CaffeineCacheMeterBinderProvider.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/JmxOperation.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/cache/package-info.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/info/SimpleInfoContributor.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/health/CompositeHealthIndicator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoke/OperationInvokerAdvisor.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/web/reactive/server/WebFluxTags.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/annotation/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/annotation/ReadOperation.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/audit/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/logging/LogFileWebEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/flyway/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/web/servlet/WebMvcTags.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/web/WebEndpointHttpMethod.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoke/reflect/OperationMethod.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/cache/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/context/properties/ConfigurationPropertiesReportEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoke/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/jdbc/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/mongo/MongoHealthIndicator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/web/annotation/EndpointWebExtension.java
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 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/management/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/ldap/LdapHealthIndicator.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/annotation/DiscoveredWebEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/annotation/RequestPredicateFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/AbstractHealthAggregator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/jmx/JmxOperationParameter.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/jmx/EndpointObjectNameFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/annotation/DiscovererEndpointFilter.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/PathMappedEndpoints.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/couchbase/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/jmx/MBeanInfoFactory.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/audit/listener/AuditListener.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/invoke/OperationInvoker.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/servlet/DispatcherServletsMappingDescriptionProvider.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/trace/http/HttpTrace.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/Sanitizer.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/elasticsearch/ElasticsearchHealthIndicator.java
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 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/jersey/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/jmx/EndpointMBean.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/reactive/HandlerFunctionDescription.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/HealthIndicatorReactiveAdapter.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/trace/http/HttpExchangeTracer.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/WebOperationRequestPredicate.java
 *
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 jar/org/springframework/boot/actuate/endpoint/invoke/convert/IsoOffsetDateTimeConverter.java

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 jar/org/springframework/boot/actuate/endpoint/invoke/convert/ConversionServiceParameterValueMapper.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/Operation.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/MappingDescriptionProvider.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/annotation/ExposableControllerEndpoint.java
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 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/client/DefaultRestTemplateExchangeTagsProvider.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/annotation/Selector.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/WebOperation.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/redis/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/EndpointId.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/trace/http/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/OrderedHealthAggregator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/jetty/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/annotation/WriteOperation.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/client/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 jar/org/springframework/boot/actuate/metrics/web/jetty/JettyServerThreadPoolMetricsBinder.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/client/MetricsRestTemplateCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/tomcat/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/audit/listener/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/elasticsearch/package-info.java
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/reactive/server/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/elasticsearch/ElasticsearchRestHealthIndicator.java
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/jmx/JacksonJmxOperationResponseMapper.java

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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoke/cache/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/system/package-info.java

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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/cache/CacheMeterBinderProvider.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/neo4j/Neo4jHealthIndicator.java

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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/logging/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/web/mappings/reactive/package-info.java

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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/web/mappings/servlet/ServletsMappingDescriptionProvider.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/management/ThreadDumpEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/http/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/mail/MailHealthIndicator.java
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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/info/GitInfoContributor.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/web/mappings/reactive/DispatcherHandlersMappingDescriptionProvider.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/beans/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/endpoint/invoker/cache/CachingOperationInvoker.java
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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/amqp/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/health/HealthStatusHttpMapper.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/web/mappings/HandlerMethodDescription.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/beans/BeansEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-jar/org/springframework/boot/actuate/metrics/web/servlet/package-info.java
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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jar/org/springframework/boot/actuate/flyway/FlywayEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/web/mappings/servlet/ServletRegistrationMappingDescription.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/ServletEndpointRegistrar.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/web/trace/reactive/TraceableServerHttpResponse.java
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jar/org/springframework/boot/actuate/health/AbstractReactiveHealthIndicator.java
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 jar/org/springframework/boot/actuate/web/trace/reactive/ServerWebExchangeTraceableRequest.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/invoke/MissingParametersException.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/annotation/WebEndpointFilter.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/EndpointLinksResolver.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/integration/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/jmx/annotation/EndpointJmxExtension.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/HealthEndpointWebExtension.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/solr/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/system/DiskSpaceHealthIndicator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/servlet/DispatcherServletHandlerMappings.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/servlet/DispatcherServletMappingDescription.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/annotation/package-info.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/HealthIndicator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/info/InfoPropertiesInfoContributor.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/health/ApplicationHealthIndicator.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/client/RestTemplateExchangeTagsProvider.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-


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jar/org/springframework/boot/actuate/endpoint/annotation/DeleteOperation.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/health/CompositeReactiveHealthIndicatorFactory.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/jmx/annotation/DiscoveredJmxOperation.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/audit/listener/AbstractAuditListener.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/health/AbstractHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/annotation/AbstractDiscoveredOperation.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/env/EnvironmentEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/jmx/JmxEndpointsSupplier.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/metrics/web/reactive/server/MetricsWebFilter.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/ControllerEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/jmx/JmxOperationResponseMapper.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/metrics/cache/HazelcastCacheMeterBinderProvider.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/EndpointMapping.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/amqp/RabbitHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/ExposableEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/web/mappings/servlet/RegistrationMappingDescription.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/neo4j/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/invoke/ParameterValueMapper.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/ServletEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-

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jar/org/springframework/boot/actuate/cache/CachesEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/audit/AuditEventRepository.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/influx/InfluxDbHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/DiscoveredControllerEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/health/CompositeReactiveHealthIndicator.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/ControllerEndpointDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/couchbase/CouchbaseReactiveHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/ControllerEndpointsSupplier.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/metrics/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/metrics/web/reactive/client/WebClientExchangeTagsProvider.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/health/HealthIndicatorRegistryFactory.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/jmx/annotation/JmxEndpointFilter.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/web/mappings/servlet/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/audit/AuditEventsEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/info/Info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/annotation/FilteredEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-

jar/org/springframework/boot/actuate/health/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/invoke/convert/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/solr/SolrHealthIndicator.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/servlet/LongTaskTimingHandlerInterceptor.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/MetricsEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/trace/http/TraceableResponse.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/PathMapper.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/context/ShutdownEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/http/ActuatorMediaType.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/servlet/FilterRegistrationMappingDescription.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/mappings/reactive/RequestMappingConditionsDescription.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/reactive/client/MetricsWebClientFilterFunction.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/invoke/ParameterMappingException.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/influx/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/servlet/SkipPathExtensionContentNegotiation.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-

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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/info/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/web/EndpointMediaTypes.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/reactive/client/MetricsWebClientCustomizer.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/endpoint/annotation/DiscoveredOperationsFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/trace/http/TraceableRequest.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/web/trace/servlet/TraceableHttpServletResponse.java
 *
 /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/web/reactive/server/DefaultWebFluxTagsProvider.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/metrics/jdbc/DataSourcePoolMetrics.java
 * /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-

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jar/org/springframework/boot/actuate/trace/http/Include.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/reactive/ControllerEndpointHandlerMapping.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/web/mappings/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/jdbc/DataSourceHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/reactive/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/invoke/reflect/ReflectiveOperationInvoker.java
*
/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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/opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-

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jar/org/springframework/boot/actuate/web/mappings/servlet/FiltersMappingDescriptionProvider.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/trace/http/HttpTraceRepository.java
* /opt/ws_local/PERMITS_SQL/1072388179_1594998133.29/0/spring-boot-actuator-2-1-10-release-sources-
jar/org/springframework/boot/actuate/endpoint/annotation/package-info.java

1.623 spring-websocket 5.1.11.RELEASE

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jar/org/springframework/web/socket/config/annotation/EnableWebSocket.java  
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
jar/org/springframework/web/socket/messaging/StompSubProtocolHandler.java  
*  
/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
jar/org/springframework/web/socket/server/support/WebSocketHttpRequestHandler.java  
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
jar/org/springframework/web/socket/config/annotation/EnableWebSocketMessageBroker.java  
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-  
jar/org/springframework/web/socket/server/jetty/JettyRequestUpgradeStrategy.java
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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jar/org/springframework/web/socket/client/jetty/JettyWebSocketClient.java
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- * /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/client/Transport.java
- *

- /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/SockJsTransportFailureException.java
 - * /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/support/DefaultHandshakeHandler.java
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 - * /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/client/TransportRequest.java
 - * /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/client/XhrTransport.java
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- * /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/adapter/standard/StandardToWebSocketExtensionAdapter.java
- *

/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/handler/BinaryWebSocketHandler.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/adapters/standard/WebSocketToStandardExtensionAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/config/annotation/DelegatingWebSocketConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/transport/TransportHandler.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/config/annotation/DelegatingWebSocketMessageBrokerConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/handler/TextWebSocketHandler.java
*

/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/transport/session/PollingSockJsSession.java

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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/RequestUpgradeStrategy.java

* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/standard/SpringConfigurator.java

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/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/standard/ServletServerContainerFactoryBean.java

* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/support/HandshakeInterceptorChain.java

* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/PongMessage.java

* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/client/InfoReceiver.java

* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-

jar/org/springframework/web/socket/CloseStatus.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
jar/org/springframework/web/socket/WebSocketHttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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*
/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
jar/org/springframework/web/socket/sockjs/transport/handler/XhrPollingTransportHandler.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
jar/org/springframework/web/socket/sockjs/client/RestTemplateXhrTransport.java
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/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
jar/org/springframework/web/socket/adaptor/NativeWebSocketSession.java
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-

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jar/org/springframework/web/socket/sockjs/client/WebSocketClientSockJsSession.java
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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jar/org/springframework/web/socket/sockjs/client/DefaultTransportRequest.java
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jar/org/springframework/web/socket/sockjs/SockJsException.java
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/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
jar/org/springframework/web/socket/sockjs/transport/session/StreamingSockJsSession.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-
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jar/org/springframework/web/socket/handler/WebSocketHandlerDecoratorFactory.java
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jar/org/springframework/web/socket/sockjs/frame/SockJsFrameType.java
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/opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/HandshakeHandler.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/handler/LoggingWebSocketHandlerDecorator.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/frame/SockJsMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/messaging/SessionConnectEvent.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/server/HandshakeFailureException.java
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*
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/WebSocketHandler.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/sockjs/SockJsMessageDeliveryException.java
* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/config/WebSocketNamespaceHandler.java
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* /opt/ws_local/PERMITS_SQL/1072388131_1594998177.98/0/spring-websocket-5-1-11-release-sources-jar/org/springframework/web/socket/client/WebSocketClient.java

1.624 aws-sdk-go 1.27.1

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1.626 spring-boot-starter-websocket

2.1.10.RELEASE

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1.627 libyaml 0.2.3

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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/session/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MeterRegistryPostProcessor.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/jmx/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/tomcat/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/EndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/wavefront/WavefrontProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/jolokia/JolokiaProperties.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/condition/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/OnlyOnceLoggingDenyMeterFilter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
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jar/org/springframework/boot/actuate/autoconfigure/integration/IntegrationGraphEndpointAutoConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/web/server/EnableChildManagementContextConfiguration.java
*
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/logging/LogFileWebEndpointAutoConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/jms/JmsHealthIndicatorAutoConfiguration.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/signalfx/SignalFxProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/audit/AuditAutoConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/CompositeMeterRegistryConfiguration.java
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/TokenValidator.java
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*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/NoOpMeterRegistryConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/ManagementErrorEndpoint.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/system/DiskSpaceHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/Token.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/WebEndpointProperties.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-

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sources-
jar/org/springframework/boot/actuate/autoconfigure/condition/ConditionsReportEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/system/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/security/servlet/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/CloudFoundrySecurityInterceptor.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/properties/StepRegistryProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/scheduling/ScheduledTasksEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/integration/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/graphite/GraphiteProperties.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/ConditionalOnEnabledHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/kairos/KairosPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/CompositeHealthIndicatorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/env/EnvironmentEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/neo4j/package-info.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointWebExtensionConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/jdbc/DataSourcePoolMetricsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/prometheus/PrometheusProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/mail/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/package-info.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
jar/org/springframework/boot/actuate/autoconfigure/web/reactive/ReactiveManagementContextAutoConfiguration.j

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ava
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/logging/LoggersEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/cache/CachesEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/couchbase/CouchbaseHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/web/servlet/ServletManagementChildContextConfiguration.jav
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sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/ganglia/GangliaPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MeterRegistryCustomizer.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/jetty/package-info.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/signalfx/SignalFxMetricsExportAutoConfigurati
on.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/CloudFoundryWebEndpointServletHandl
erMapping.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/ganglia/GangliaProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/elastic/ElasticMetricsExportAutoConfiguration.j
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sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/dynatrace/DynatracePropertiesConfigAdapter.ja
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sources-
jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/CloudFoundryAuthorizationException.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-

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sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/simple/SimpleMetricsExportAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/info/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/session/SessionsEndpointAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/kairos/KairosProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/mappings/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/jersey/JerseySameManagementContextConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/CloudFoundryWebEndpointDiscoverer.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/elastic/ElasticPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/redis/RedisReactiveHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/CompositeReactiveHealthIndicatorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/security/servlet/ManagementWebSecurityConfigurerAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/condition/ConditionalOnEnabledEndpoint.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/humio/HumioPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/datadog/DatadogProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/condition/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/ganglia/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/redis/RedisHealthIndicatorAutoConfiguration.java
*

/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/mongo/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/trace/http/HttpTraceEndpointAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/client/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/kairos/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MetricsEndpointAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/ManagementPortType.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/orm/jpa/HibernateMetricsAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cassandra/package-info.java
 *
 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/influx/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/jms/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/client/RestTemplateMetricsConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/amqp/RabbitHealthIndicatorAutoConfiguration.java
 *
 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthIndicatorProperties.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/graphite/GraphiteMetricsExportAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerExceptionResolver.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/SystemMetricsAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/properties/PropertiesConfigAdapter.java
 *
 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/ServiceLevelAgreementBoundary.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/tomcat/TomcatMetricsAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/reactive/ReactiveManagementChildContextConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthIndicatorRegistryBeans.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/package-info.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/env/EnvironmentEndpointProperties.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/CloudFoundrySecurityInterceptor.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/appoptics/AppOpticsMetricsExportAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/appoptics/AppOpticsProperties.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/flyway/FlywayEndpointAutoConfiguration.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/SkipSslVerificationHttpRequestFactory.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/KafkaMetricsAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/context/properties/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/jersey/package-info.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/simple/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MeterValue.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/reactive/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/solr/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/trace/http/HttpTraceProperties.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/condition/ConditionsReportEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/ManagementServerProperties.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/wavefront/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/CloudFoundryReactiveHealthEndpointWebExtension.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/jmx/JmxProperties.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/jmx/JmxPropertiesConfigAdapter.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/datadog/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/amqp/RabbitConnectionFactoryMetricsPostProcessor.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/ganglia/GangliaMetricsExportAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/jetty/JettyMetricsAutoConfiguration.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/appoptics/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/servlet/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/ManagementContextAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/influx/InfluxDbHealthIndicatorAutoConfiguration.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/CloudFoundryHealthEndpointWebExtension.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/OnManagementPortCondition.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/ManagementContextType.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/OnEndpointElementCondition.java

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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/elastic/package-info.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/datadog/DatadogPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/liquibase/LiquibaseEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/MappingWebEndpointPathMapper.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/info/ConditionalOnEnabledInfoContributor.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/logging/package-info.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/MissingRequiredConfigurationFailureAnalyzer.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/info/InfoContributorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/dynatrace/DynatraceProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/statsd/StatsdMetricsExportAutoConfiguration.ja
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/beans/package-info.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/prometheus/PrometheusPropertiesConfigAdapte
r.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/ElasticSearchClientHealthIndicatorAutoConfigura
tion.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/info/OnEnabledInfoContributorCondition.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/mongo/MongoHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/cassandra/CassandraReactiveHealthIndicatorAutoConfiguration
.java

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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/ExposeExcludePropertyEndpointFilter.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/signalfx/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/package-info.java

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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/ConditionalOnManagementPort.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/flyway/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/PropertiesMeterFilter.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/humio/HumioProperties.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/management/ThreadDumpEndpointAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/orm/jpa/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/statsd/StatsdProperties.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/newrelic/NewRelicMetricsExportAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/CompositeMeterRegistryAutoConfiguration.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/security/servlet/ManagementWebSecurityAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/JvmMetricsAutoConfiguration.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/security/reactive/package-info.java

* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/ldap/LdapHealthIndicatorAutoConfiguration.java

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-

jar/org/springframework/boot/actuate/autoconfigure/web/jersey/JerseyChildManagementContextConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/autoconfigure/metrics/export/signalfx/SignalFxPropertiesConfigAdapter.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/ServletManagementContextFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/jdbc/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/ManagementServletContext.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/autoconfigure/jdbc/DataSourceHealthIndicatorAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/autoconfigure/metrics/cache/CacheMetricsRegistrarConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/scheduling/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/newrelic/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/jersey/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/amqp/RabbitMetricsAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/redis/package-info.java
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 jar/org/springframework/boot/actuate/autoconfigure/web/jersey/JerseyManagementContextConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/autoconfigure/security/reactive/ReactiveManagementWebSecurityAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-
 jar/org/springframework/boot/actuate/autoconfigure/security/servlet/SecurityRequestMatchersManagementContextConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/system/DiskSpaceHealthIndicatorProperties.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-

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jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/ReactiveCloudFoundryActuatorAutoCon
figuration.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/web/servlet/WebMvcEndpointChildContextConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/ldap/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/reactive/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
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jar/org/springframework/boot/actuate/autoconfigure/metrics/export/appoptics/AppOpticsPropertiesConfigAdapter.ja
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sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/jersey/JerseyServerMetricsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/atlas/AtlasProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/statsd/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/mongo/MongoReactiveHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/context/package-info.java
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sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/cache/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/reactive/WebFluxEndpointManagementContextC
onfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/newrelic/NewRelicProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/amqp/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointAutoConfiguration.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/CloudFoundryEndpointFilter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/elastic/ElasticProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/security/reactive/EndpointRequest.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-

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sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/AccessLevel.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/context/ShutdownEndpointAutoConfiguration.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/servlet/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/WebEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/influx/InfluxPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/management/HeapDumpWebEndpointAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/security/servlet/EndpointRequest.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/cache/CacheMetricsAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/influx/InfluxProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/LocalManagementPort.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/JmxEndpointAutoConfiguration.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/trace/http/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/JmxEndpointProperties.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/datadog/DatadogMetricsExportAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/OnEnabledHealthIndicatorCondition.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/ManagementWebServerFactoryCustomizer.java
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/MeterRegistryConfigurer.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/solr/SolrHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/package-info.java

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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/properties/StepRegistryPropertiesConfigAdapter
.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/neo4j/Neo4jHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/humio/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/statsd/StatsdPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/humio/HumioMetricsExportAutoConfiguration.j
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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/audit/AuditEventsEndpointAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/newrelic/NewRelicPropertiesConfigAdapter.jav
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/ElasticSearchJestHealthIndicatorAutoConfigurati
on.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/influx/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/Log4J2MetricsAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/trace/http/HttpTraceAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/wavefront/WavefrontMetricsExportAutoConfig
uration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/servlet/WebMvcEndpointManagementContextCo
nfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/EndpointIdTimeToLivePropertyFunction.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-
sources-
jar/org/springframework/boot/actuate/autoconfigure/metrics/export/simple/SimplePropertiesConfigAdapter.java
*

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/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/CorsEndpointProperties.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/context/properties/ConfigurationPropertiesReportEndpointAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/prometheus/PrometheusMetricsExportAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/prometheus/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/jolokia/JolokiaEndpoint.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/info/InfoContributorProperties.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/ReactiveTokenValidator.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/ManagementContextFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/amqp/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/CloudFoundryWebFluxEndpointHandlerMapping.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/servlet/CloudFoundrySecurityService.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/web/jersey/JerseyWebEndpointManagementContextConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/couchbase/package-info.java
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 /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cache/package-info.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/servlet/WebMvcMetricsAutoConfiguration.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerMapping.java
 * /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerMapping.java

sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/LogbackMetricsAutoConfiguration.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/web/client/WebClientMetricsConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/jdbc/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cloudfoundry/reactive/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/audit/package-info.java
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*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/atlas/AtlasPropertiesConfigAdapter.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cassandra/CassandraHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/liquibase/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/reactive/ReactiveManagementContextFactory.java
*
/opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/couchbase/CouchbaseReactiveHealthIndicatorAutoConfiguration.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/server/EnableManagementContext.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/properties/package-info.java
* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/org/springframework/boot/actuate/autoconfigure/endpoint/condition/OnEnabledEndpointCondition.java
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* /opt/ws_local/PERMITS_SQL/1072388195_1594998144.14/0/spring-boot-actuator-autoconfigure-2-1-10-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot-actuator-autoconfigure/pom.xml

1.629 spring-websocket 5.1.15.RELEASE

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* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/client/Transport.java
* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/client/XhrTransport.java
*
/opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/SockJsTransportFailureException.java
* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/server/support/DefaultHandshakeHandler.java
* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/client/TransportRequest.java
* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/transport/SockJsSession.java
* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-
jar/org/springframework/web/socket/sockjs/support/SockJsHttpRequestHandler.java
```

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- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/frame/SockJsFrame.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebMvcStompWebSocketEndpointRegistration.java
- *
- /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/AbstractWebSocketMessage.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/WebSocketNamespaceUtils.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/client/ConnectionManagerSupport.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/messaging/DefaultSimpUserRegistry.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/SockJsServiceRegistration.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/client/jetty/JettyWebSocketClient.java
- *
- /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebSocketTransportRegistration.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/StompWebSocketEndpointRegistration.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/frame/AbstractSockJsMessageCodec.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebSocketConfigurationSupport.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/adapters/jetty/WebSocketToJettyExtensionConfigAdapter.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/client/JettyXhrTransport.java
- *
- /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/handler/ConcurrentWebSocketSessionDecorator.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/adapters/standard/StandardWebSocketHandlerAdapter.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/MessageBrokerBeanDefinitionParser.java
- * /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/adapters/standard/StandardWebSocketSession.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/transport/session/AbstractSockJsSession.java

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/opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/HandlersBeanDefinitionParser.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/adapter/standard/ConvertingEncoderDecoderSupport.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/server/support/OriginHandshakeInterceptor.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/transport/SockJsSessionFactory.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebMvcStompEndpointRegistry.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/WebSocketExtension.java

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/opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/handler/PerConnectionWebSocketHandler.java

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* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebSocketMessageBrokerConfigurer.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/adapter/jetty/JettyWebSocketHandlerAdapter.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/config/annotation/WebSocketHandlerRegistry.java

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/opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/client/AbstractWebSocketClient.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/server/standard/ServerEndpointExporter.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/messaging/WebSocketAnnotationMethodMessageHandler.java

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/opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/server/support/WebSocketHandlerMapping.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/handler/BeanCreatingHandlerProvider.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/client/SockJsUrlInfo.java

* /opt/ws_local/PERMITS_SQL/1072388139_1594998124.58/0/spring-websocket-5-1-15-release-sources-jar/org/springframework/web/socket/sockjs/SockJsService.java

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1.630 spring-boot-starter-actuator

2.1.10.RELEASE

1.630.1 Available under license :

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<name>Apache License, Version 2.0</name>

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1072387781_1594998115.12/0/spring-boot-starter-actuator-2-1-10-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-actuator/pom.xml

1.631 asm 5.0.3

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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/xml/package.html

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*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *
 the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>>null</code> for none).
 * @param access
 * the method's access flags (see {@link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * {@link Type#getInternalName() getInternalName}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

```

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*/
/**
 * Constructs a new { @link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * { @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *     a reference to the annotated type. See { @link TypeReference}.
 * @param typePath
 *     the path to the annotated type argument, wildcard bound, array
 *     element type, or static inner type within 'typeRef'. May be
 *     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *     the first instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (inclusive).
 * @param end
 *     the last instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (exclusive). This
 *     array must have the same size as the 'start' array.
 * @param index
 *     the local variable's index in each range. This array must have
 *     the same size as the 'start' array.
 * @param desc
 *     the class descriptor of
the annotation class.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXAdapter.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXFieldAdapter.java

*

/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/Processor.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/SAXClassAdapter.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/ASMContentHandler.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-

jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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*/
/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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*/

/**

* Creates a new { @link GeneratorAdapter}. *<i>*Subclasses must not use this
* constructor*</i>*. Instead, they must use the
* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see { @link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see { @link Type Type}).

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/LabelNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/signature/SignatureWriter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/Method.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceSignatureVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/AbstractInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/FieldWriter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceClassVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/BasicValue.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/ClassVisitor.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/IntInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/AdviceAdapter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/LineNumberNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/AnnotationNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/Constant.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Context.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/VarInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/SourceValue.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/ConstantPool.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Frame.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/TypeAnnotationNode.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Type.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/InsnList.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Handler.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/TryCatchBlockNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/InstructionAdapter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/Printer.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/CheckMethodAdapter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/Subroutine.java

*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/FieldNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/ASMifier.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingClassAdapter.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/CheckSignatureAdapter.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Item.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-

jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/MethodInsnNode.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/MethodNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/ClassReader.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/ByteVector.java

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/FrameNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Label.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/Remapper.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
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jar/org/objectweb/asm/util/ASMifiable.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/Textifiable.java

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- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/package.html
- *
- /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/signature/package.html

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jar/org/objectweb/asm/TypePath.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/TypeReference.java

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*/
/**
```

```
 * Constructs a new { @link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the { @link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/Textifier.java
```

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*/
```

```

/**
 * Creates a new {@link AnalyzerAdapter}. Subclasses must not use this
 * constructor. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *
 * the owner's class name.
 * @param access
 * the method's access flags (see {@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be null.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

```

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jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/shrink-resize.properties
*

```

```
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink-annotations.properties  
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink-signatures.properties  
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink.properties
```

1.632 miglayout 3.5.5

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1.633 openjdk 1.8.0u252

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Little Color Management System (LCMS) v2.9

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### xwd utility
<pre>
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### xwd utility

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include/GL/glxext.h
include/GL/wglxext.h :
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*

* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50

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1.635 python 3.6.9-1~18.04ubuntu1.1

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see

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| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
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| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 | | 1991-1995 | CWI | yes |
| 1.3 thru 1.5.2 | 1.2 | 1995-1999 | CNRI | yes |
| 1.6 | 1.5.2 | 2000 | CNRI | no |
| 2.0 | 1.6 | 2000 | BeOpen.com | no |
| 1.6.1 | 1.6 | 2001 | CNRI | yes (2) |
| 2.1 | 2.0+1.6.1 | 2001 | PSF | no |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.1.2 | 2.1.1 | 2002 | PSF | yes |
| 2.1.3 | 2.1.2 | 2002 | PSF | yes |
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1.638 systemd 237-3ubuntu10.42

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- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/servletapi/SecurityContextHolderAwareRequestWrapper.java
- *
- /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/AbstractAuthenticationProcessingFilter.java
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- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/AuthenticationEntryPoint.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/switchuser/SwitchUserGrantedAuthority.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/PortMapperImpl.java
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- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/www/BasicAuthenticationEntryPoint.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/intercept/FilterSecurityInterceptor.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/www/NonceExpiredException.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/intercept/DefaultFilterInvocationSecurityMetadataSource.java
- *
- /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/savedrequest/FastHttpDateFormat.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/savedrequest/Enumerator.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

jar/org/springframework/security/web/session/HttpSessionEventPublisher.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/UriUtils.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/switchuser/AuthenticationSwitchUserEvent.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/WebAuthenticationDetails.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/NullRememberMeServices.java
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jar/org/springframework/security/web/authentication/LoginUrlAuthenticationEntryPoint.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/HttpSessionDestroyedEvent.java
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jar/org/springframework/security/web/access/channel/ChannelProcessor.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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jar/org/springframework/security/web/savedrequest/SavedRequestAwareWrapper.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/intercept/FilterInvocationSecurityMetadataSource.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/HttpSessionCreatedEvent.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/channel/ChannelProcessingFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/RememberMeServices.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/SecurityContextLogoutHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/FilterInvocation.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/channel/InsecureChannelProcessor.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/channel/ChannelDecisionManager.java
*
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jar/org/springframework/security/web/PortResolverImpl.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

jar/org/springframework/security/web/authentication/www/BasicAuthenticationFilter.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/FilterChainProxy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/LogoutFilter.java
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jar/org/springframework/security/web/authentication/rememberme/TokenBasedRememberMeServices.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/www/DigestAuthenticationEntryPoint.java
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/savedrequest/DefaultSavedRequest.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/PortResolver.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/ConcurrentSessionFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/switchuser/SwitchUserFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/channel/ChannelEntryPoint.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/UsernamePasswordAuthenticationFilter.java
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- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/expression/AbstractVariableEvaluationContextPostProcessor.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/DelegatingAccessDeniedHandler.java

- *
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/context/support/SecurityWebApplicationContextUtils.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/expression/EvaluationContextPostProcessor.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/DelegatingAuthenticationFailureHandler.java

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- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/util/matcher/AnyRequestMatcher.java

- *
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/InvalidCsrfTokenException.java
- * /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/session/CompositeSessionAuthenticationStrategy.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfAuthenticationStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/session/InvalidSessionAccessDeniedHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/method/annotation/CsrfTokenArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/session/SessionFixationProtectionStrategy.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/session/SessionFixationProtectionEvent.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/writers/HstsHeaderWriter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/session/ChangeSessionIdAuthenticationStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/writers/XXssProtectionHeaderWriter.java
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/HttpSessionCsrfTokenRepository.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfTokenRepository.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/DefaultCsrfToken.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/context/AbstractSecurityWebApplicationInitializer.java
*
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfToken.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/bind/support/AuthenticationPrincipalArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/writers/DelegatingRequestMatcherHeaderWriter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/servlet/support/csrf/CsrfRequestDataValueProcessor.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/util/matcher/MediaTypeRequestMatcher.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfException.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CsrfLogoutHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/method/annotation/AuthenticationPrincipalArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/bind/annotation/AuthenticationPrincipal.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/jackson2/PreAuthenticatedAuthenticationTokenDeserializer.java

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jar/org/springframework/security/web/jackson2/PreAuthenticatedAuthenticationTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/SessionInformationExpiredStrategy.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/DefaultCsrfTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/DefaultSavedRequestMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/WebAuthenticationDetailsMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/CookieMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/SavedCookieMixin.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/CookieDeserializer.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/WebServletJackson2Module.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/WebJackson2Module.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/session/SessionInformationExpiredEvent.java
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/expression/DelegatingEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/servlet/util/matcher/MvcRequestMatcher.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/util/matcher/RequestVariablesExtractor.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/csrf/CookieCsrfTokenRepository.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/util/matcher/OrServerWebExchangeMatcher.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authorization/ExceptionTranslationWebFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/csrf/DefaultCsrfToken.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authentication/logout/LogoutWebFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authentication/logout/SecurityContextServerLogoutHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/savedrequest/ServerRequestCacheWebFilter.java
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authentication/HttpBasicServerAuthenticationEntryPoint.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authorization/HttpStatusServerAccessDeniedHandler.java
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jar/org/springframework/security/web/server/ServerRedirectStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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jar/org/springframework/security/web/server/csrf/ServerCsrfTokenRepository.java
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/authentication/RedirectServerAuthenticationSuccessHandler.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authorization/ServerAccessDeniedHandler.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/util/matcher/ServerWebExchangeMatcherEntry.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authentication/logout/ServerLogoutHandler.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/savedrequest/WebSessionServerRequestCache.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authentication/ServerAuthenticationSuccessHandler.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authorization/AuthorizationContext.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/context/NoOpServerSecurityContextRepository.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/CacheControlServerHttpHeadersWriter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/HttpHeaderWriterWebFilter.java

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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/ServerFormLoginAuthenticationConverter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/ContentTypeOptionsServerHttpHeadersWriter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/ServerAuthenticationEntryPoint.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/CompositeServerHttpHeadersWriter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/StrictTransportSecurityServerHttpHeadersWriter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/header/XContentTypeOptionsServerHttpHeadersWriter.java

*

/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/csrf/CsrfWebFilter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/context/SecurityContextServerWebExchangeWebFilter.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/util/matcher/ServerWebExchangeMatcher.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/csrf/WebSessionServerCsrfTokenRepository.java

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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authentication/WebFilterChainServerAuthenticationSuccessHandler.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/authorization/AuthorizationWebFilter.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/server/SecurityWebFilterChain.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/server/util/matcher/ServerWebExchangeMatchers.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
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/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/firewall/FirewalledResponse.java
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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

jar/org/springframework/security/web/authentication/preauth/x509/X509PrincipalExtractor.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/websphere/package-info.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/header/writers/frameoptions/WhiteListedAllowFromStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/session/RegisterSessionAuthenticationStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/context/SaveContextOnUpdateOrErrorResponseWrapper.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/session/SessionAuthenticationStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/channel/package-info.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/context/HttpRequestResponseHolder.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/Http403ForbiddenEntryPoint.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/CompositeLogoutHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/www/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/CookieClearingLogoutHandler.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/context/SecurityContextRepository.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/x509/X509AuthenticationFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/InvalidSessionStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/SecurityFilterChain.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/rememberme/PersistentTokenRepository.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/intercept/package-info.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/access/expression/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/firewall/HttpFirewall.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/savedrequest/SavedRequest.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/header/writers/StaticHeadersWriter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

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jar/org/springframework/security/web/debug/DebugFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/session/SimpleRedirectSessionInformationExpiredStrategy.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/SimpleUrlLogoutSuccessHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/firewall/FirewalledRequest.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/LogoutSuccessHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/ThrowableCauseExtractor.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/logout/DelegatingLogoutSuccessHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/SimpleUrlAuthenticationSuccessHandler.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/www/DigestAuthUtils.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/HttpStatusEntryPoint.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/x509/SubjectDnX509PrincipalExtractor.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/header/writers/frameoptions/StaticAllowFromStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/firewall/RequestWrapper.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/rememberme/CookieTheftException.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/header/writers/ReferrerPolicyHeaderWriter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/websphere/DefaultWASUsernameAndGroupsExtracto
r.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/rememberme/InMemoryTokenRepositoryImpl.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/OnCommittedResponseWrapper.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedGrantedAuthoritiesUserDetailsServic
e.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/DefaultRedirectStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

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jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedGrantedAuthoritiesWebAuthenticationDetails.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/writers/frameoptions/RegExpAllowFromStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/context/SecurityContextPersistenceFilter.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/Header.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/RequestHeaderAuthenticationFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/DefaultSecurityFilterChain.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedAuthenticationProvider.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/jaasapi/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedAuthenticationToken.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/j2ee/J2eePreAuthenticatedProcessingFilter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/rememberme/RememberMeAuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/j2ee/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/preauth/websphere/WebSpherePreAuthenticatedProcessingFilter.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/servletapi/HttpServletRequestFactory.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/savedrequest/HttpSessionRequestCache.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/context/NullSecurityContextRepository.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/expression/WebExpressionVoter.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/session/SessionManagementFilter.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/context/HttpSessionSecurityContextRepository.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/session/SessionAuthenticationException.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

jar/org/springframework/security/web/access/expression/WebExpressionConfigAttribute.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/RedirectStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/matcher/AndRequestMatcher.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/servletapi/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/switchuser/SwitchUserAuthorityChanger.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/session/NullAuthenticatedSessionStrategy.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/matcher/IpAddressMatcher.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/context/request/async/WebAsyncManagerIntegrationFilter.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/switchuser/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/RedirectUrlBuilder.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/firewall/RequestRejectedException.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/AbstractAuthenticationTargetUrlRequestHandler.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/WebAttributes.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/savedrequest/NullRequestCache.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/util/matcher/RegexRequestMatcher.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/PreAuthenticatedCredentialsNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/rememberme/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/jackson2/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/header/writers/HpkpHeaderWriter.java
*
/opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-
jar/org/springframework/security/web/authentication/preauth/j2ee/WebXmlMappableAttributesRetriever.java
* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-

jar/org/springframework/security/web/authentication/preauth/j2ee/J2eeBasedPreAuthenticatedWebAuthenticationDetailsSource.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/logout/package-info.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/rememberme/PersistentRememberMeToken.java

* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/header/writers/ContentSecurityPolicyHeaderWriter.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/authentication/rememberme/JdbcTokenRepositoryImpl.java

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* /opt/ws_local/PERMITS_SQL/1077201588_1596778671.14/0/spring-security-web-5-1-7-release-sources-jar/org/springframework/security/web/access/ExceptionTranslationFilter.java

1.640 spring-boot-starter-security

2.1.10.RELEASE

1.640.1 Available under license :

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1077201945_1596778573.52/0/spring-boot-starter-security-2-1-10-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-security/pom.xml

1.641 spring-security-core 5.1.7.RELEASE

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/**

* Base64 encoder which is a reduced version of Robert Harder's public domain

* implementation (version 2.3.7). See <a

* href="http://iharder.sourceforge.net/current/java/base64/">http://iharder.sourceforge.net/current/java/base64/

for more information.

* <p>

* For internal use only.

*

* @author

Luke Taylor
* @since 3.0
* @deprecated Use java.util.Base64
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/codecs/Base64.java

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/**

*

* @param authentication represents the user in question. Should not be null.

* @param targetDomainObject the domain object for which permissions should be

* checked. May be null in which case implementations should return false, as the null

* condition can be checked explicitly in the expression.

* @param permission a representation of the permission object as supplied by the

* expression system. Not null.

* @return true if the permission is granted, false otherwise

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/PermissionEvaluator.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/core/token/SecureRandomFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/password/Md4.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/core/parameters/P.java
*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/core/userdetails/ReactiveUserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/authorization/AuthorizationDecision.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/authorization/AuthorityReactiveAuthorizationManager.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/authorization/ReactiveAuthorizationManager.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/authentication/ReactiveAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
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jar/org/springframework/security/authorization/AuthenticatedReactiveAuthorizationManager.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

jar/org/springframework/security/crypto/factory/PasswordEncoderFactories.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

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jar/org/springframework/security/crypto/scrypt/SCryptPasswordEncoder.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/ComparableVersion.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/method/AbstractMethodSecurityMetadataSource.java

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/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/event/AuthenticationFailureProviderNotFoundEvent.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/AccessDecisionVoter.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
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 * /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/provisioning/GroupManager.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/jaas/event/package-info.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/hierarchicalroles/package-info.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/prepost/PrePostAnnotationSecurityMetadataSource.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/annotation/AnnotationMetadataExtractor.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/authority/package-info.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/authority/mapping/Attributes2GrantedAuthoritiesMapper.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/provisioning/MutableUserDetails.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyImpl.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/prepost/PrePostInvocationAttributeFactory.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/context/DelegatingApplicationListener.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/expression/method/PreInvocationExpressionAttribute.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/prepost/PreAuthorize.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/provisioning/UserDetailsManager.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/concurrent/AbstractDelegatingSecurityContextSupport.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/userdetails/jdbc/package-info.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/expression/method/MethodSecurityEvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/expression/SecurityExpressionHandler.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/package-info.java
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*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/InternalAuthenticationServiceException.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/authority/mapping/MapBasedAttributes2GrantedAuthoritiesMapper.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/method/package-info.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/token/DefaultToken.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/method/DelegatingMethodSecurityMetadataSource.java
*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/annotation/Js250Voter.java
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/AccountStatusException.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/intercept/aspectj/MethodInvocationAdapter.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/jaas/DefaultJaasAuthenticationProvider.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/jaas/AbstractJaasAuthenticationProvider.java

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*/

/**

* Reviews the `Object` returned from a secure object invocation, being able to

* modify the `Object` or throw an `{ @link AccessDeniedException }`.

* `<p>`

* Typically used to ensure the principal is permitted to access the domain object

* instance returned by a service layer bean.

Can also be used to mutate the domain object

* instance so the principal is only able to access authorised bean properties or

* `Collection` elements.

* `<p>`

* Special consideration should be given to using an `AfterInvocationManager`

* on bean methods that modify a database. Typically an

* `AfterInvocationManager` is used with read-only methods, such as

* `public DomainObject getById(id)`. If used with methods that modify a

* database, a transaction manager should be used to ensure any

* `AccessDeniedException` will cause a rollback of the changes made by the

* transaction.

* `</p>`

*

* @author Ben Alex

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/intercept/AfterInvocationManager.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyUtils.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/UserMixin.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/UnmodifiableSetMixin.java


```
*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/UnmodifiableSetDeserializer.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/AnonymousAuthenticationTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/SimpleGrantedAuthorityMixin.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/RememberMeAuthenticationTokenMixin.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/CoreJackson2Module.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenMixin.java
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```

```
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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/**
* A token issued by { @link TokenService }.
*
* <p>
* It is important that the keys assigned to tokens are sufficiently randomised and
* secured that they can serve as identifying a unique user session. Implementations of
* { @link TokenService } are free to use encryption or encoding strategies of their
* choice.
* It is strongly recommended that keys are of sufficient length to balance safety against
* persistence cost. In relation to persistence cost, it is strongly recommended that
* returned keys are small enough for encoding in a cookie.
* </p>
*
* @author Ben Alex
* @since 2.0.1
*/
```

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/token/Token.java

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/**

* Determines if the { @link #getAuthentication() } has permission to access the target
* given the permission

* @param target the target domain object to check permission on

* @param permission the permission to check on the domain object (i.e. "read",

* "write", etc).

* @return true if permission

is granted to the { @link #getAuthentication() }, else

* false

*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/expression/SecurityExpressionOperations.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/SecurityJackson2Modules.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/UserDeserializer.java

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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/concurrent/DelegatingSecurityContextRunnable.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/authentication/ProviderManager.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/Transient.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/password/MessageDigestPasswordEncoder.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/keygen/Base64StringKeyGenerator.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/userdetails/UserDetailsPasswordService.java

*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/password/LdapShaPasswordEncoder.java
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/password/DelegatingPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/UnmodifiableListMixin.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/core/userdetails/ReactiveUserDetailsPasswordService.java
*

/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/concurrent/DelegatingSecurityContextCallable.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/jackson2/BadCredentialsExceptionMixin.java
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/access/prepost/PrePostAdviceReactiveMethodInterceptor.java
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*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/encrypt/Encryptors.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java

* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-

jar/org/springframework/security/crypto/password/StandardPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
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/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
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* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/util/EncodingUtils.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/encrypt/BouncyCastleAesBytesEncryptor.java
*
/opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/encrypt/TextEncryptor.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/keygen/StringKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/ws_local/PERMITS_SQL/1077201848_1596778751.19/0/spring-security-core-5-1-7-release-sources-
jar/org/springframework/security/crypto/password/PasswordEncoder.java

1.642 gax-go 2.0.5

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1.643 metrics-health-checks 4.1.12.1

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1.644 metrics-annotation 4.1.12.1

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1.645 hibernate-validator 5.4.3.Final

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*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/TypeHelper.java

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*/
/**
* Retrieves constraint related meta data for the parameters of the given
* executable.
*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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```
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 */
/**
 * <p>
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * { @link javax.validation.ParameterNameProvider}. By default, { @code arg0}, { @code arg1}
 * etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 * </p>
 * <pre>
 * { @code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
 * public void createEvent(Date start, Date end) { ... }
 * }
 * </pre>
 * <p>
 * Can be specified on any method or constructor.
 * </p>
 *
 * @author Gunnar Morling
 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
```

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```
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```

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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/cfg/context/DefaultConstraintMapping.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/ServiceLoaderBasedConstraintMappingContributor.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/context/ConstructorConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/constraints/ScriptAssert.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForMap.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArrayOfPrimitives.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/defs/NotBlankDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/REGONValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/descriptor/ParameterDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/privilegedactions/NewInstance.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/cfg/context/ParameterConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorManager.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/defs/DecimalMaxDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/constraintvalidation/HibernateConstraintValidatorContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/Version.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForNumber.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/NIPValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArrayOfChar.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/context/ConstraintDefinitionTarget.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

jar/org/hibernate/validator/internal/constraintvalidators/bv/MaxValidatorForNumber.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfDouble.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/raw/ExecutableElement.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/xml/ValidationXmlParser.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/valuehandling/package-info.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/scriptengine/ScriptEvaluatorFactory.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/groups/GroupWithInheritance.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/cfg/context/PropertyConstraintMappingContextImpl.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/HibernateValidatorPermission.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/context/MethodConstraintMappingContext.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/valuehandling/OptionalValueUnwrapper.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/ConstructorInstance.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/CreditCardNumberDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForInstant.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/context/Constrainable.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/constraints/SafeHtml.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/annotationfactory/AnnotationProxy.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredConstructors.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredConstructor.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/BeginState.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/cfg/context/ConstraintContextImplBase.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/spi/resourceloading/ResourceBundleLocator.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/stereotypes/ThreadSafe.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/cfg/context/ConstraintMappingContextImplBase.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/facets/Validatable.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForCalendar.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/raw/ConfigurationSource.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/DefaultParameterNameProvider.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForOffsetDateTime.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MinValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/NotBlankValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/constraintdefinition/ConstraintDefinitionContribution.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/ConstraintDefinitionContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/spi/group/DefaultGroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/classhierarchy/Filters.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/IdentitySet.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/xml/MappingXmlParser.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/annotationfactory/AnnotationFactory.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/ValidationContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/xml/ConstrainedTypeBuilder.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForOffsetDateTime.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/pl/PESELDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/MaxValidatorForCharSequence.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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jar/org/hibernate/validator/cfg/defs/ScriptAssertDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/DecimalMinValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/GetMethod.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfLong.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/pl/REGONDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/IgnoreJava6Requirement.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/MapBasedVariableMapper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/package-info.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/NotNullValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/AnnotationIgnoreOptions.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/DigitsDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/br/TituloEleitoralDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/descriptor/ConstraintDescriptorImpl.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/Cascadable.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/logging/formatter/CollectionOfClassesObjectFormatter.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/NotEmptyDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/br/CNPJDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/resolver/JPATraversableResolver.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/ValueContext.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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jar/org/hibernate/validator/internal/cfg/context/ReturnValueConstraintMappingContextImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/aggregated/ExecutableMetaData.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/ConstraintDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/cfg/context/ConfiguredConstraint.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/path/PropertyNode.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/ConfigurationImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/ValidatorContextImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/constraints/br/CPF.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/CurrencyDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/provider/ProgrammaticMetaDataProvider.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/FormatterWrapper.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/size/package-info.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForDate.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/MinValidatorForNumber.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/cfg/context/ConstraintDefinitionContextImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenIterator.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/ParserState.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/xml/MetaConstraintBuilder.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/constraints/pl/NIP.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/context/ParameterTarget.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
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 *

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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/privilegedactions/LoadClass.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/cfg/context/ExecutableConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredMethod.java
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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/xml/BootstrapConfigurationImpl.java
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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/constraints/Email.java
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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/CollectionHelper.java
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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/descriptor/ReturnValueDescriptorImpl.java
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/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/xml/ClassLoadingHelper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/aggregated/ReturnValueMetaData.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/raw/BeanConfiguration.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/privilegedactions/SetAccessibility.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/aggregated/GroupConversionHelper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfFloat.java
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/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/constraints/ConstraintComposition.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/util/classhierarchy/ClassHierarchyHelper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/context/MethodTarget.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/groups/Group.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

jar/org/hibernate/validator/internal/cfg/context/CrossParameterConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/br/CPFDef.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/ParameterConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/MessageState.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/HibernateValidatorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForDate.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenCollector.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/MapBasedFunctionMapper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfByte.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/Mod11CheckDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/package-info.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/StringHelper.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfBoolean.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/xml/ConstrainedParameterBuilder.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptionsImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/ModCheck.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/spi/cfg/ConstraintMappingContributor.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/resolver/DefaultTraversableResolver.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/LengthDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/EmailDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/TypeConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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jar/org/hibernate/validator/internal/metadata/aggregated/BeanMetaData.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForReadableInstant.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraintvalidators/RegexpURLValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/resourceloading/PlatformResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/LuhnCheckValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/GetAnnotationParameter.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/EANDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/cfg/context/GroupConversionTargetContextImpl.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PolishNumberValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/GetMethods.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/HibernateValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ModCheckBase.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/xml/ConstrainedExecutableBuilder.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/xml/XmlParserHelper.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/TypeTarget.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MaxValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArray.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/aggregated/UnconstrainedEntityMetaDataSingleton.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/descriptor/PropertyDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/logging/LoggerFactory.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/br/CNPJ.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/NullValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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jar/org/hibernate/validator/internal/metadata/aggregated/ValidatableParametersMetaData.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/FutureDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/ValidatorImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/Unmarshal.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/EITermResolver.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/constraints/NotBlank.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredMethods.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/engine/HibernateConstraintViolation.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/DecimalMinDef.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/constraints/Currency.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/path/package-info.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/raw/ConstrainedExecutable.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/hv/br/CPFValidator.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/xml/ConstrainedGetterBuilder.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/hv/ScriptAssertContext.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/aggregated/rule/MethodConfigurationRule.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/parameternameprovider/ParanamerParameterNameProvider.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/MinValidatorForCharSequence.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/money/CurrencyValidatorForMonetaryAmount.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/DecimalMaxValidatorForNumber.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/classhierarchy/Filter.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-

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jar/org/hibernate/validator/internal/metadata/BeanMetaDataManager.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/Length.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/ConstraintMapping.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/spi/time/TimeProvider.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/provider/TypeAnnotationAwareMetaDataProvider.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/br/CNPJValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForChronoZonedDateTime.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/ExecutableHelper.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/Mod11Check.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/parameternameprovider/package-info.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/raw/AbstractConstrainedElement.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintTree.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptions.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/logging/Messages.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/groups/ValidationOrderGenerator.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/package-info.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/descriptor/GroupConversionDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/MaxDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/MessageInterpolatorContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/metadata/provider/XmlMetaDataProvider.java
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/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCharSequence.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForCharSequence.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/PastDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/URLDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/NullDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/aggregated/PropertyMetaData.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/raw/ConstrainedField.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/defs/pl/NIPDef.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/core/ConstraintHelper.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForChronoZonedDateTime.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/Token.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/aggregated/rule/OverridingMethodMustNotAlterParameterConstraints.j
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 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/engine/messageinterpolation/TermResolver.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/valuehandling/UnwrapValidatedValue.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/raw/ConstrainedParameter.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/constraintvalidators/bv/past/package-info.java
 *
 /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/metadata/descriptor/ElementDescriptorImpl.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/cfg/context/CascadableConstraintMappingContextImplBase.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/util/privilegedactions/GetResource.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/cfg/context/CrossParameterConstraintMappingContext.java
 * /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
 jar/org/hibernate/validator/internal/xml/ResourceLoaderHelper.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/context/ReturnValueTarget.java

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/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/facets/Cascadable.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/AssertTrueValidator.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/parameternameprovider/ReflectionParameterNameProvider.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/DecimalMinValidatorForNumber.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/path/NodeImpl.java

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadableInstant.java

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jar/org/hibernate/validator/cfg/defs/MinDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArrayOfShort.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/constraints/CreditCardNumber.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadablePartial.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredField.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForReadablePartial.java
*
/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/context/ReturnValueConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/cfg/defs/NotNullDef.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/engine/resolver/CachingTraversableResolverForSingleValidation.java
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/hv/ParameterScriptAssertValidator.java

```

No license file was found, but licenses were detected in source scan.

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~

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/META-INF/validation-configuration-1.0.xsd

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/core/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/cfg/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/provider/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/cfg/defs/br/package.html

*

/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/facets/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/spi/group/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/cfg/context/package.html

* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/groups/package.html

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/opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/metadata/package.html

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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/META-INF/validation-mapping-1.1.xsd

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* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/package.html
* /opt/ws_local/PERMITS_SQL/1082127590_1597868309.02/0/hibernate-validator-5-4-3-final-sources-2-jar/org/hibernate/validator/internal/engine/resolver/package.html
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1.646 curl 7.58.0-2ubuntu3.10

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=====

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##

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libressl

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1.647 commons-lang3 3.11

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1.648 base-files 10.1ubuntu2.10

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a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

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3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters,

data structure

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in

a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable

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```
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```

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```
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it  
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```

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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License.

Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

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Version 3, 29 June 2007

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The

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1.649 jackson-databind 2.9.10.6

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1.650 jetty-continuation 9.4.31.v20200723

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons

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org.apache.taglibs:taglibs-standard-spec

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

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If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.652 jetty-util 9.4.31.v20200723

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Eclipse

The following artifacts are EPL.

- * org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

- * org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

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1.653 metrics-httpclient 4.1.12.1

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1.654 jetty-webapp 9.4.31.v20200723

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javafx.security.auth.message

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* org.eclipse.jetty.orbit:javafx.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

- org.ow2.asm:asm-commons
- org.ow2.asm:asm

Apache

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- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

MortBay

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- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

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org.apache.tomcat:tomcat-el-api

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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1.657 apache-http-server 2.4.29-1ubuntu4.14

1.657.1 Available under license :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
    -->
<title>The Apache License, Version 2.0 - Apache HTTP Server Version 2.4</title>
<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css"
 />
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
<body id="manual-page" class="no-sidebar"><div id="page-header">
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplang">
<p><span>Available
Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;&nbsp;</a></p>
</div>

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```


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</div>

</div>

<div class="bottomlang">

<p>Available Languages: en </p>

</div><div class="top"></div><div

class="section"><h2>Comments</h2><div

class="warning">Notice:
This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the documentation or server, and may be removed again by our moderators if they are either implemented or considered invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC channel, #httpd, on Freenode, or sent to our mailing lists</div>

```
<script type="text/javascript"><!--><![CDATA[//><!--
```

```
var comments_shortname = 'httpd';
```

```
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
```

```
(function(w, d) {
```

```
  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
```

```
    d.write('<div id="comments_thread"></div>');
```

```
    var s = d.createElement('script');
```

```
    s.type = 'text/javascript';
```

```
    s.async = true;
```

```
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' +
```

```
comments_identifier;
```

```
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
```

```
  }
```

```
  else {
```

```
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
```

```
  }
```

```
})(window, document);
```

```
//--><![></script></div><div id="footer">
```

<p class="apache">Copyright 2017 The Apache Software Foundation.
Licensed under the Apache License, Version 2.0.</p>
<p class="menu">Modules | Directives | FAQ | Glossary | Sitemap</p></div><script type="text/javascript"><!--<!--><![CDATA[</><!--<!-- if (typeof(prettyPrint) !== 'undefined') {
 prettyPrint();
}
</script>
</body></html>

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```

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* NCSA HTTPd Server
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* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

*/

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RECORD

Carriage_Control carriage_return

Format stream_if

1.661 unzip 6.0-r6

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This file contains some details about the copyright history of contributions to the UnZip project.

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Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the

copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles

*

* A collection of File Manager and related routines

*

* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)

- * with significant code contributions by Nitin Ganatra
- * (Apple Macintosh Developer Technical Support Emeritus)
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- * MacBinaryIII.h
- *
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 - *
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 - * -----
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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.662 bzip2 1.0.8-r1

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

1.663 ncurses 6.1_p20200118-r4

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```
-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
```

1.664 pycrypto 2.6.1-8ubuntu2

1.664.1 Available under license :

Copyright and licensing of the Python Cryptography Toolkit ("PyCrypto"):

~~~~~

Previously, the copyright and/or licensing status of the Python Cryptography Toolkit ("PyCrypto") had been somewhat ambiguous. The original intention of Andrew M. Kuchling and other contributors has been to dedicate PyCrypto to the public domain, but that intention was not necessarily made clear in the original disclaimer (see [LEGAL/copy/LICENSE.orig](#)).

Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author's website came with a license that contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have been taken:

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2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)
3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).
4. Removing some modules altogether without replacing them.

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PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

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In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

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=== EOF ===

# 1.665 metrics-jmx 4.1.12.1

## 1.665.1 Available under license :

Metrics

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## 1.666 jetty-setuid-java 1.0.4

### 1.666.1 Available under license :

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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/SetUIDListener.java
* /opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/SetUIDServer.java
* /opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
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* /opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/Group.java
* /opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/RLimit.java
*
/opt/ws_local/PERMITS_SQL/1088629606_1599838102.52/0/jetty-setuid-java-1-0-4-sources-
jar/org/eclipse/jetty/setuid/Passwd.java
```

## 1.667 metrics-jvm 4.1.12.1

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| 1  | 32    | 7679  | 7648    | 3.7M |      | 8f8378c0-01 |
| 2  | 7680  | 16383 | 8704    | 4.3M |      | 8f8378c0-02 |
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Version 3, 29 June 2007

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The

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```

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```
x ?"U@,5 @mISmIN<GimCN7g1u|E
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...
```

```
;9GimCN7g
```

```
!"#$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789;:<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@
WEV[B "1
```

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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# 1.671 libxml 2.9.4+dfsg1-6.1ubuntu1.3

## 1.671.1 Available under license :

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# 1.672 sqlite 3.22.0-1ubuntu0.4

## 1.672.1 Available under license :

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<p><b>Public domain</b></p>

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application is free to use the same <a href="..c3ref/sqlite3.html">database connection</a> or the

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<h2>Proprietary SQLite Extensions</h2>

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application is free to use the same <a href="#sqlite3">database connection</a> or the

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<p>FOR IMMEDIATE RELEASE:</p>

<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>

<h3 align="center">Ensures independent technical direction for world's most deployed SQL database engine</h3>

<p><b>Charlotte, North Carolina - December 12, 2007</b> - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd. have joined the SQLite Consortium as charter members.</p>

<p>SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers.

SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.</p>

<p>The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers.</p>

<p>Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.</p>

<p>"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla.

"As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."</p>

<p>"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development, " said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."</p>

<p>SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, <http://www.sqlite.org/>.</p>

<center>  
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</center>

<p><b>About SQLite</b></p>

<p>SQLite is a software library that implements a self-contained, embeddable, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.</p>

<p>SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.</p>

<p>  
CONTACT INFORMATION:<br>  
SQLite Consortium<br>  
Dr. D. Richard Hipp<br>  
6200 Maple Cove Lane<br>  
Charlotte, NC 28269<br>  
Email: drh@sqlite.org<br>  
<http://www.sqlite.org/><br>  
Tel: +1.704.948.4565  
</p>

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Tel: +1.415.345.4754<br>  
Email: [jwaight@outcastpr.com](mailto:jwaight@outcastpr.com)  
</p>

<p><b>About Symbian Limited</b></p>

<p>Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.</p>

<p>Symbian licenses Symbian OS to the world's leading handset manufacturers



and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.</p>

<p>Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit [www.symbian.com](http://www.symbian.com).</p>

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<head>

<title>SQLite Consortium Agreement</title>

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<h1 align="center">

SQLite Consortium Agreement

</h1>

<p>This SQLite Consortium Agreement ("Agreement") is made and entered into as of the \_\_\_\_ day of \_\_\_\_\_, 2007 ("Effective Date") by and between \_\_\_\_\_ (the "Company"), and Hipp, Wyrick & Company, Inc., a Georgia Corporation with headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").</p>

<p>WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at

<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>

("SQLite"); and</p>

<p>WHEREAS, Company wishes to support the independent development of the SQLite database engine to insure the continuing reliability, vitality, and independence of SQLite, and in connection therewith, Company wishes to provide funds for ongoing research, development, and maintenance of the SQLite code base, operation of the SQLite website, protection and maintenance of the SQLite trademark, as well as for promotion of SQLite at conferences and trade shows; and</p>

<p>WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and</b>

<p>WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.</p>

<p>NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:</p>

## <h2>1.0 Definitions</h2>

### <h3>1.1 SQLite Developers</h3>

<p>The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.</p>

### <h3>1.2 SQLite Architect</h3>

<p>The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.</p>

### <h3>1.3 Consortium Member</h3>

<p>A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.</p>

## <h2>2.0 Agreement</h2>

### <h3>2.1 Responsibilities And Obligations Of SQLite Developers</h3>

#### <h4>2.1.1 General Support</h4>

<p>The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.  
</p>

#### <h4>2.1.2 Debugging Support</h4>

The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom Development for Company is limited to 330 hours per year.  
</p>

#### <h4>2.1.3 Custom Development</h4>

<p>The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.  
</p>

#### <h4>2.1.4 Custom Builds</h4>

The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.  
</p>

#### <h4>2.1.5 Legacy Support</h4>

<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.  
</p>

#### <h4>2.1.6 Custom Testing</h4>

<p>The SQLite Developers shall at Company's request set up and run acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.  
</p>

#### <h4>2.1.7 Priority Bug Fixes</h4>

<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has

expressed a specific interest.

</p>

#### <h4>2.1.8 Code Quality</h4>

<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.

</p>

#### <h4>2.1.9 Backwards Compatibility</h4>

<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards compatibility with prior releases.

</p>

#### <h4>2.1.10

##### Test Coverage</h4>

<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.

</p>

#### <h4>2.1.11 Website</h4>

<p>The SQLite Developers shall maintain the SQLite website at <a href="http://www.sqlite.org">http://www.sqlite.org</a> in good working order and all SQLite source code shall be made freely available at such website.

</p>

### <h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

#### <h4>2.2.1 Private Briefings</h4>

<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.

</p>

#### <h4>2.2.2 Direction</h4>

<p>The SQLite Architect shall coordinate the activities of SQLite Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.

</p>

#### <h4>2.2.3 Oversight</h4>

<p>The SQLite Architect shall personally

review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.

#### <h4>2.2.4 Continuity</h4>

<p>The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.</p>

### <h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

#### <h4>2.3.1 Employer</h4>

<p>Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.</p>

#### <h4>2.3.2 Responsible Party</h4>

<p>All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.</p>

#### <h4>2.3.3 Multiple Developers</h4>

<p>Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement. So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.</p>

#### <h4>2.3.4 Mentorship</h4>

<p>Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a pool of talent able to support SQLite in the future.</p>

#### <h4>2.3.5 Audits</h4>

<p>Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company

and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.

#### 2.3.6 Disaster Planning

Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.

#### 2.3.7 Trademark

Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the <http://www.sqlite.org/> website.

#### 2.3.8 No Take-overs or Buy-outs

Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.

#### 2.3.9

##### New Consortium Members

New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.

#### 2.3.10 Adequate Staff

Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

#### 2.3.11 Use Of Funds

<p>Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement.

Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

</p>

### <h3>2.4 Responsibilities And Obligations Of Company</h3>

#### <h4>2.4.1 Funding</h4>

<p>Company

shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

</p>

#### <h4>2.4.2 Copyright Disclaimer</h4>

<p>Company acknowledges that SQLite source code and documentation published on the <a href="http://www.sqlite.org/">SQLite website</a> is in the public domain and that nothing in this agreement shall change that fact.

</p>

## <h2>3.0 Fees</h2>

<p>In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US \$75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.</p>

## <h2>4.0 Confidentiality</h2>

### <h3>4.1 Definition of Confidential Information</h3>

<p>"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing, orally or by drawings or inspection of parts or equipment.</p>

### <h3>4.2 Non-Use and Non-Disclosure.</h3>

<p>Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever

other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.</p>

#### <h4>4.2.1 Disclosure Required by Law</h4>

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.</p>

### <h3>4.3 Return of Materials.</h3>

<p>Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.</p>

## <h2>5.0 Intellectual Property</h2>



### <h3>5.1 No Assignment</h3>

<p>Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments,

discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company.</p>

### <h3>5.2 Availability and Public Domain Dedication</h3>

<p>The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain.

To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.</p>

### <h3>5.3 Trademark</h3>

<p>Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.</p>

## <h2>6.0 Representations And Warranties</h2>

### <h3>6.1 Intellectual Property Clearances.</h3>

<p>Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.</p>

### <h3>6.2 Disclaimer.</h3>

<p>THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.</p>

## <h2>7.0 Term And Termination</h2>

### <h3>7.1 Term.</h3>

<p>This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.</p>

### <h3>7.2 Termination.</h3>

<p>If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.</p>

### <h3>7.3 Survival.</h3>

<p>Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property),

and 8 (Miscellaneous) will survive termination of this Agreement.</p>

## <h2>8. Miscellaneous</h2>

### <h3>8.1 Nonassignment/Binding Agreement.</h3>

<p>The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.</p>

### <h3>8.2 Notices.</h3>

<p>Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.</p>

### <h3>8.3 Waiver.</h3>

<p>Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action.</p>

No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.</p>

### <h3>8.4 Severability.</h3>

<p>If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.</p>

### <h3>8.5 Integration.</h3>

<p>This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.</p>

### <h3>8.6 Counterparts.</h3>

<p>This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.</p>

### <h3>8.7 Governing Law.</h3>

<p>This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.</p>

### 8.8 Independent Contractors.

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

## 9.0 Signatures

The parties have executed this Agreement below to indicate their acceptance of its terms.

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/consortium\_agreement-20071201.html

No license file was found, but licenses were detected in source scan.

other proprietary or non-standard VFSes.

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/uri.html

No license file was found, but licenses were detected in source scan.

The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/requirements.html

No license file was found, but licenses were detected in source scan.

<html>

<title>SQLite Copyright Release Template</title>

<body bgcolor="white">

<h1 align="center">

Copyright Release for<br>

Contributions To SQLite

</h1>

<p>

SQLite is software that implements an embeddable SQL database engine.

SQLite is available for free download from <http://www.sqlite.org/>.

The principal author and maintainer of SQLite has disclaimed all copyright interest in his contributions to SQLite

and thus released his contributions into the public domain.

In order to keep the SQLite software unencumbered by copyright claims, the principal author asks others who may from time to time contribute changes and enhancements to likewise disclaim their own individual copyright interest.

</p>

<p>

Because the SQLite software found at <http://www.sqlite.org/> is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software,

under either the original name or

under some new name, without any need to obtain permission, pay

royalties, acknowledge the original source of the software, or

in any other way compensate, identify, or notify the original authors.

Nobody is in any way compelled to contribute their SQLite changes and enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.

</p>

<p>

For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website,

<http://www.sqlite.org/>. Precompiled binaries are excluded from

the definition of "SQLite software" in this document because the

process of compiling the software may introduce information from

outside sources which is not properly a part of SQLite.

</p>

<p>

The header comments on the SQLite source

files exhort the reader to

share freely and to never take more than one gives.

In the spirit of that exhortation I make the following declarations:

</p>

<ol>

<li><p>

I dedicate to the public domain

any and all copyright interest in the SQLite software that

was publicly available on the SQLite website (<http://www.sqlite.org/>) prior

to the date of the signature below and any changes or enhancements to

the SQLite software

that I may cause to be published on that website in the future.

I make this dedication for the benefit of the public at large and

to the detriment of my heirs and successors. I intend this

dedication to be an overt act of relinquishment in perpetuity of

all present and future rights to the SQLite software under copyright

law.

</p></li>

<li><p>

To the best of my knowledge and belief, the changes and enhancements that

I have contributed to SQLite are either originally written by me

or are derived from prior works which I have verified are also

in the public domain

and are not subject to claims of copyright

by other parties.

</p></li>

<li><p>

To the best of my knowledge and belief, no individual, business, organization,

government, or other entity has any copyright interest

in the SQLite software as it existed on the

SQLite website as of the date on the signature line below.

</p></li>

<li><p>

I agree never to publish any additional information

to the SQLite website (by CVS, email, scp, FTP, or any other means) unless

that information is an original work of authorship by me or is derived from

prior published versions of SQLite.

I agree never to copy and paste code into the SQLite code base from

other sources.

I agree never to publish on the SQLite website any information that would violate a law or breach a contract.

</p></li>

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<p>

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/copyright-release.html

No license file was found, but licenses were detected in source scan.

application code is free to use these routines as well, if desired.

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/34to35.html

No license file was found, but licenses were detected in source scan.

SQLite is in the public domain. This document describes what that means

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/docs.html

No license file was found, but licenses were detected in source scan.

<a href="copyright.html">public domain</a>. No claim of ownership is made

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access to all proprietary extensions and test suites.

access to all proprietary extensions and test suites.

<a href="https://www.sqlite.org/copyright.html">public domain</a>,</p></div>

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without a shared lock, other processes are free to modify the database

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Suppose the demo\_data.boundary field holds some proprietary data description

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No license file was found, but licenses were detected in source scan.

data, so do not send the ".fullschema" output of a proprietary database

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\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/cli.html

No license file was found, but licenses were detected in source scan.

SQLite is high-quality, public domain software. The goal of members can also request their own private, proprietary extensions

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1092870715\_1600807126.32/0/sqlite3-3-22-0-orig-www-1-tar-xz/www/consortium.html

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<a href="copyright.html">public domain</a> and so most

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No license file was found, but licenses were detected in source scan.

<p>SQLite itself is in the <a href="copyright.html">public domain</a> and can be used for any purpose. But TH3 is proprietary and requires a license.</p></div>

---

Open Source Used In Intelligent Node Manager 3.1.0 3.1.0 6877

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If N>0 then the connection is free to use more of the WAL file beyond

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No license file was found, but licenses were detected in source scan.

<h2>SQLite Is Public Domain</h2>

<a href="http://en.wikipedia.org/wiki/Public\_Domain">Public Domain</a>

<a href="http://en.wikipedia.org/wiki/Public\_Domain">public domain</a>

the public domain and originals of

author, and all of those authors have public domain dedications

Even though SQLite is in the public domain and does not require

the public domain. </li>

their contributions to the public domain.

in this code to the public domain. We make this dedication for the benefit

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No license file was found, but licenses were detected in source scan.

<li>Sources are in the <a href="copyright.html">public domain</a>.

or some proprietary format into

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SQLite core and like the SQLite core are in the public domain. The

The <b><a href="th3.html">TH3</a></b> test harness is a set of proprietary tests, written in

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No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

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# 1.673 fdisk 2.31.1

## 1.673.1 Available under license :

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.,  
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA  
Everyone is permitted to copy and distribute verbatim copies  
of this license document, but changing it is not allowed.

### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price.

Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

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## 1.674 ini 1.55.0

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, \*BSD)

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## Commands to generate dependency files

GEN\_DEPS.c= \$(CC) -E -MM \$(DEFS) \$(CPPFLAGS)

GEN\_DEPS.cc= \$(CXX) -E -MM \$(DEFS) \$(CPPFLAGS)

## Flags for position independent code

SHAREDLIBCFLAGS = -fPIC

SHAREDLIBCXXFLAGS = -fPIC

SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D\_REENTRANT

LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD\_RPATH=

```

LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object
suffix
STATIC_O = ao

## Compilation rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
$(RM) $@ && ln -s ${<F} $@
%.${SO}: %.${SO}.${SO_TARGET_VERSION_MAJOR}
$(RM) $@ && ln -s
${*F}.${SO}.${SO_TARGET_VERSION} $@

## Bind internal references

```

```
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
```

# 1.706 openssl 1.1.1g

## 1.706.1 Available under license :

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```
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<signature of Ty Coon>, 1 April 1989

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# 1.711 python 2.7.17-1~18.04ubuntu1.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |

|               |       |          |     |     |
|---------------|-------|----------|-----|-----|
| 2.1.3         | 2.1.2 | 2002     | PSF | yes |
| 2.2 and above | 2.1.1 | 2001-now |     |     |
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# 1.712 python 3.6.9-1~18.04ubuntu1.3

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

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| Release | Derived | Year | Owner | GPL- |
|---------|---------|------|-------|------|
|---------|---------|------|-------|------|

|                | from      |           |            | compatible? (1) |
|----------------|-----------|-----------|------------|-----------------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes             |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes             |
| 1.6            | 1.5.2     | 2000      | CNRI       | no              |
| 2.0            | 1.6       | 2000      | BeOpen.com | no              |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2)         |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no              |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes             |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes             |
| 2.1.3          | 2.1.2     | 2002      | PSF        | yes             |
| 2.2 and above  | 2.1.1     | 2001-now  |            |                 |
| PSF            |           |           |            | yes             |

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# 1.713 node.js 14.13.0

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// Original can be found at:  
// https://bitbucket.org/lindenlab/llsd  
// Modifications by Joshua Bell inexorabletash@gmail.com  
// https://github.com/inexorabletash/polyfill  
  
// ES3/ES5 implementation of the Khronos Typed Array Specification  
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/  
// Date: 2011-02-01  
//  
// Variations:  
// * Allows typed_array.get/set() as alias for subscripts (typed_array[])  
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```

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  'SHA512_ASM',
  'RC4_ASM',
  'MD5_ASM',
  'RMD160_ASM',
  'AESNI_ASM',
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  'GHASH_ASM',
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  'POLY1305_ASM',
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  './crypto',
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# listed below with further processing for compound word breaking. The
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```
# frequency is generated with an iterative training against Google web
```

```

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A list of [SPDX license](https://spdx.org/licenses/) identifiers

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm/):

...

```
npm install spdx-license-ids
```

...

## [Node.js](https://nodejs.org/) API

```
### require('spdx-license-ids')
```

Type: `string[]`

All license IDs except for the currently deprecated ones.

```
```javascript
```

```
const ids = require('spdx-license-ids');
```

```
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
```

```
ids.includes('BSD-3-Clause'); //=> true
```

```
ids.includes('CC-BY-1.0'); //=>
```

```
true
```

```
ids.includes('GPL-3.0'); //=> false
```

```
```
```

```
### require('spdx-license-ids/deprecated')
```

```
Type: `string[]`
```

Deprecated license IDs.

```
````javascript
```

```
const deprecatedIds = require('spdx-license-ids/deprecated');
```

```
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]
```

```
deprecatedIds.includes('BSD-3-Clause'); //=> false
```

```
deprecatedIds.includes('CC-BY-1.0'); //=> false
```

```
deprecatedIds.includes('GPL-3.0'); //=> true
```

```
````
```

```
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```

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```

#
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```

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'variables': {
'openssl_defines_BSD-x86_64': [
'NDEBUG',
'L_ENDIAN',
'OPENSSL_PIC',
'OPENSSL_CPUID_OBJ',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
```

```
'POLY1305_ASM',
],
'openssl_cflags_BSD-x86_64': [
  '-Wa,--noexecstack',
  '-Wall -O3',
  '-pthread',
  '-Wall -O3',
],
'openssl_ex_libs_BSD-x86_64': [
  '-pthread',
],
'openssl_cli_srcs_BSD-x86_64': [
  'openssl/apps/asn1pars.c',
  'openssl/apps/ca.c',
  'openssl/apps/ciphers.c',
  'openssl/apps/cms.c',
  'openssl/apps/crl.c',
  'openssl/apps/cr12p7.c',
  'openssl/apps/dgst.c',
  'openssl/apps/dhparam.c',
  'openssl/apps/dsa.c',
  'openssl/apps/dsaparam.c',
  'openssl/apps/ec.c',
  'openssl/apps/ecparam.c',
  'openssl/apps/enc.c',
  'openssl/apps/engine.c',
  'openssl/apps/errstr.c',
  'openssl/apps/gendsa.c',
  'openssl/apps/genpkey.c',
  'openssl/apps/genrsa.c',
  'openssl/apps/nseq.c',
  'openssl/apps/ocsp.c',
  'openssl/apps/openssl.c',
  'openssl/apps/passwd.c',
  'openssl/apps/pkcs12.c',
  'openssl/apps/pkcs7.c',
  'openssl/apps/pkcs8.c',
  'openssl/apps/pkey.c',
  'openssl/apps/pkeyparam.c',
  'openssl/apps/pkeyutl.c',
  'openssl/apps/prime.c',
  'openssl/apps/rand.c',
  'openssl/apps/rehash.c',
  'openssl/apps/req.c',
  'openssl/apps/rsa.c',
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```



```

'openssl/apps/s_time.c',
'openssl/apps/sess_id.c',
'openssl/apps/smime.c',
'openssl/apps/speed.c',
'openssl/apps/spkac.c',
'openssl/apps/srp.c',

'openssl/apps/storeutl.c',
'openssl/apps/ts.c',
'openssl/apps/verify.c',
'openssl/apps/version.c',
'openssl/apps/x509.c',
'openssl/apps/app_rand.c',
'openssl/apps/apps.c',
'openssl/apps/bf_prefix.c',
'openssl/apps/opt.c',
'openssl/apps/s_cb.c',
'openssl/apps/s_socket.c',
],
},
'defines': ['<@(openssl_defines_BSD-x86_64)'],
'include_dirs': [
  './include',
],
'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86_64)'],
}
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```

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release | Derived | Year | Owner | GPL-            |
|---------|---------|------|-------|-----------------|
|         | from    |      |       | compatible? (1) |

|                |           |           |            |         |
|----------------|-----------|-----------|------------|---------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes     |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes     |
| 1.6            | 1.5.2     | 2000      | CNRI       | no      |
| 2.0            | 1.6       | 2000      | BeOpen.com | no      |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2) |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no      |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes     |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes     |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes     |
| 2.1.3          | 2.1.2     | 2002      | PSF        | yes     |
| 2.2 and above  | 2.1.1     | 2001-now  |            |         |
| PSF            | yes       |           |            |         |

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'openssl/crypto/x509v3/pcy\_map.c',  
'openssl/crypto/x509v3/pcy\_node.c',  
'openssl/crypto/x509v3/pcy\_tree.c',  
'openssl/crypto/x509v3/v3\_addr.c',  
'openssl/crypto/x509v3/v3\_admis.c',  
'openssl/crypto/x509v3/v3\_akey.c',  
'openssl/crypto/x509v3/v3\_akeya.c',  
'openssl/crypto/x509v3/v3\_alt.c',  
'openssl/crypto/x509v3/v3\_asid.c',  
'openssl/crypto/x509v3/v3\_bcons.c',  
'openssl/crypto/x509v3/v3\_bitst.c',  
'openssl/crypto/x509v3/v3\_conf.c',  
'openssl/crypto/x509v3/v3\_cpols.c',  
'openssl/crypto/x509v3/v3\_crl.c',  
'openssl/crypto/x509v3/v3\_enum.c',  
'openssl/crypto/x509v3/v3\_extku.c',  
'openssl/crypto/x509v3/v3\_genn.c',  
'openssl/crypto/x509v3/v3\_ia5.c',  
'openssl/crypto/x509v3/v3\_info.c',  
'openssl/crypto/x509v3/v3\_int.c',  
'openssl/crypto/x509v3/v3\_lib.c',  
'openssl/crypto/x509v3/v3\_ncons.c',  
'openssl/crypto/x509v3/v3\_pci.c',  
'openssl/crypto/x509v3/v3\_pcia.c',  
'openssl/crypto/x509v3/v3\_pcons.c',  
'openssl/crypto/x509v3/v3\_pku.c',  
'openssl/crypto/x509v3/v3\_pmaps.c',  
'openssl/crypto/x509v3/v3\_prn.c',  
'openssl/crypto/x509v3/v3\_purp.c',  
'openssl/crypto/x509v3/v3\_skey.c',  
'openssl/crypto/x509v3/v3\_sxnet.c',  
'openssl/crypto/x509v3/v3\_tlsf.c',  
'openssl/crypto/x509v3/v3\_utl.c',  
'openssl/crypto/x509v3/v3err.c',  
'openssl/engines/e\_capi.c',  
'openssl/engines/e\_padlock.c',

```
],  
'openssl_sources_BSD-x86_64': [  
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-mb-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha1-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-sha256-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/aes/aesni-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/aes/vpaes-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-avx2.s',  
  './config/archs/BSD-x86_64/asm/crypto/bn/rsaz-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-gf2m.s',  
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont.s',  
  './config/archs/BSD-x86_64/asm/crypto/bn/x86_64-mont5.s',  
  './config/archs/BSD-x86_64/asm/crypto/camellia/cmll-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/chacha/chacha-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/ec/ecp_nistz256-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/ec/x25519-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/md5/md5-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/modes/aesni-gcm-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/modes/ghash-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/poly1305/poly1305-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-md5-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/rc4/rc4-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/keccak1600-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-mb-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/sha1-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-mb-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/sha256-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/sha/sha512-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/whrlpool/wp-x86_64.s',  
  './config/archs/BSD-x86_64/asm/crypto/x86_64cpuid.s',  
  './config/archs/BSD-x86_64/asm/engines/e_padlock-x86_64.s',  
],
```

```
'openssl_defines_BSD-x86_64': [  
  'NDEBUG',  
  'L_ENDIAN',  
  'OPENSSL_PIC',  
  'OPENSSL_CPUID_OBJ',  
  'OPENSSL_IA32_SSE2',  
  'OPENSSL_BN_ASM_MONT',  
  'OPENSSL_BN_ASM_MONT5',  
  'OPENSSL_BN_ASM_GF2m',  
  'SHA1_ASM',  
  'SHA256_ASM',  
  'SHA512_ASM',  
  'KECCAK1600_ASM',  
  'RC4_ASM',  
  'MD5_ASM',  
  'AESNI_ASM',
```



```

'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
],
'openssl_cflags_BSD-x86_64': [
'-Wa,--noexecstack',
'-Wall -O3',
'-pthread',
'-Wall -O3',
],
'openssl_ex_libs_BSD-x86_64': [
'-pthread',
],
},
'include_dirs': [
'',
'./include',
'./crypto',
'./crypto/include/internal',
],
'defines': ['<@(openssl_defines_BSD-x86_64)'],
'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
}

```

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'variables': {
'openssl_defines_BSD-x86_64': [
'NDEBUG',
'L_ENDIAN',
'OPENSSL_PIC',
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'openssl_cflags_BSD-x86_64': [
'-Wall -O3',
'-pthread',
'-Wall -O3',
],
'openssl_ex_libs_BSD-x86_64': [
'-pthread',
],
'openssl_cli_srcs_BSD-x86_64': [
'openssl/apps/asn1pars.c',
'openssl/apps/ca.c',
'openssl/apps/ciphers.c',
'openssl/apps/cms.c',
'openssl/apps/crl.c',
'openssl/apps/crl2p7.c',
'openssl/apps/dgst.c',
'openssl/apps/dhparam.c',
'openssl/apps/dsa.c',
'openssl/apps/dsaparam.c',
'openssl/apps/ec.c',
'openssl/apps/ecparam.c',
'openssl/apps/enc.c',
'openssl/apps/engine.c',
'openssl/apps/errstr.c',
'openssl/apps/gendsa.c',
'openssl/apps/genpkey.c',
'openssl/apps/genrsa.c',
'openssl/apps/nseq.c',
'openssl/apps/ocsp.c',
'openssl/apps/openssl.c',
'openssl/apps/passwd.c',
'openssl/apps/pkcs12.c',
'openssl/apps/pkcs7.c',
'openssl/apps/pkcs8.c',
'openssl/apps/pkey.c',
'openssl/apps/pkeyparam.c',
'openssl/apps/pkeyutl.c',
'openssl/apps/prime.c',
'openssl/apps/rand.c',
```

```

'openssl/apps/rehash.c',
'openssl/apps/req.c',
'openssl/apps/rsa.c',
'openssl/apps/rsautl.c',
'openssl/apps/s_client.c',
'openssl/apps/s_server.c',
'openssl/apps/s_time.c',
'openssl/apps/sess_id.c',
'openssl/apps/smime.c',
'openssl/apps/speed.c',
'openssl/apps/spkac.c',
'openssl/apps/srp.c',
'openssl/apps/storeutl.c',
'openssl/apps/ts.c',
'openssl/apps/verify.c',
'openssl/apps/version.c',
'openssl/apps/x509.c',
'openssl/apps/app_rand.c',
'openssl/apps/apps.c',
'openssl/apps/bf_prefix.c',
'openssl/apps/opt.c',
'openssl/apps/s_cb.c',
'openssl/apps/s_socket.c',
],
},
'defines': ['<@(openssl_defines_BSD-x86_64)'],
'include_dirs':
[
'./include',
],
'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86_64)'],
}

```

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```
{
'variables': {
  'openssl_sources': [
    'openssl/ssl/bio_ssl.c',
    'openssl/ssl/d1_lib.c',
    'openssl/ssl/d1_msg.c',
    'openssl/ssl/d1_srtp.c',
    'openssl/ssl/methods.c',
    'openssl/ssl/packet.c',
    'openssl/ssl/pqueue.c',
    'openssl/ssl/record/dtls1_bitmap.c',
    'openssl/ssl/record/rec_layer_d1.c',
    'openssl/ssl/record/rec_layer_s3.c',
    'openssl/ssl/record/ssl3_buffer.c',
    'openssl/ssl/record/ssl3_record.c',
    'openssl/ssl/record/ssl3_record_tls13.c',
    'openssl/ssl/s3_cbc.c',
    'openssl/ssl/s3_enc.c',
    'openssl/ssl/s3_lib.c',
```

'openssl/ssl/s3\_msg.c',  
'openssl/ssl/ssl\_asn1.c',  
'openssl/ssl/ssl\_cert.c',  
'openssl/ssl/ssl\_ciph.c',  
'openssl/ssl/ssl\_conf.c',  
'openssl/ssl/ssl\_err.c',  
'openssl/ssl/ssl\_init.c',  
'openssl/ssl/ssl\_lib.c',  
'openssl/ssl/ssl\_mcnf.c',  
'openssl/ssl/ssl\_rsa.c',  
'openssl/ssl/ssl\_sess.c',  
'openssl/ssl/ssl\_stat.c',  
'openssl/ssl/ssl\_txt.c',  
'openssl/ssl/ssl\_utst.c',  
'openssl/ssl/statem/extensions.c',  
'openssl/ssl/statem/extensions\_clnt.c',  
'openssl/ssl/statem/extensions\_cust.c',  
'openssl/ssl/statem/extensions\_srvr.c',  
'openssl/ssl/statem/statem.c',  
'openssl/ssl/statem/statem\_clnt.c',  
'openssl/ssl/statem/statem\_dtls.c',  
'openssl/ssl/statem/statem\_lib.c',  
'openssl/ssl/statem/statem\_srvr.c',  
'openssl/ssl/t1\_enc.c',  
'openssl/ssl/t1\_lib.c',  
'openssl/ssl/t1\_trce.c',  
'openssl/ssl/tls13\_enc.c',  
'openssl/ssl/tls\_srp.c',  
'openssl/crypto/aes/aes\_cbc.c',  
'openssl/crypto/aes/aes\_cfb.c',  
'openssl/crypto/aes/aes\_core.c',  
'openssl/crypto/aes/aes\_ecb.c',  
'openssl/crypto/aes/aes\_ige.c',  
'openssl/crypto/aes/aes\_misc.c',  
'openssl/crypto/aes/aes\_ofb.c',  
'openssl/crypto/aes/aes\_wrap.c',  
'openssl/crypto/aria/aria.c',  
'openssl/crypto/asn1/a\_bitstr.c',  
'openssl/crypto/asn1/a\_d2i\_fp.c',  
'openssl/crypto/asn1/a\_digest.c',  
'openssl/crypto/asn1/a\_dup.c',  
'openssl/crypto/asn1/a\_gentm.c',  
'openssl/crypto/asn1/a\_i2d\_fp.c',  
'openssl/crypto/asn1/a\_int.c',  
'openssl/crypto/asn1/a\_mbstr.c',  
'openssl/crypto/asn1/a\_object.c',  
'openssl/crypto/asn1/a\_octet.c',  
'openssl/crypto/asn1/a\_print.c',

'openssl/crypto/asn1/a\_sign.c',  
'openssl/crypto/asn1/a\_strex.c',  
'openssl/crypto/asn1/a\_strnid.c',  
'openssl/crypto/asn1/a\_time.c',  
'openssl/crypto/asn1/a\_type.c',  
'openssl/crypto/asn1/a\_utctm.c',  
'openssl/crypto/asn1/a\_utf8.c',  
'openssl/crypto/asn1/a\_verify.c',  
'openssl/crypto/asn1/ameth\_lib.c',  
'openssl/crypto/asn1/asn1\_err.c',  
'openssl/crypto/asn1/asn1\_gen.c',  
'openssl/crypto/asn1/asn1\_item\_list.c',  
'openssl/crypto/asn1/asn1\_lib.c',  
'openssl/crypto/asn1/asn1\_par.c',  
'openssl/crypto/asn1/asn\_mime.c',  
'openssl/crypto/asn1/asn\_moid.c',

'openssl/crypto/asn1/asn\_mstbl.c',  
'openssl/crypto/asn1/asn\_pack.c',  
'openssl/crypto/asn1/bio\_asn1.c',  
'openssl/crypto/asn1/bio\_ndef.c',  
'openssl/crypto/asn1/d2i\_pr.c',  
'openssl/crypto/asn1/d2i\_pu.c',  
'openssl/crypto/asn1/evp\_asn1.c',  
'openssl/crypto/asn1/f\_int.c',  
'openssl/crypto/asn1/f\_string.c',  
'openssl/crypto/asn1/i2d\_pr.c',  
'openssl/crypto/asn1/i2d\_pu.c',  
'openssl/crypto/asn1/n\_pkey.c',  
'openssl/crypto/asn1/nsseq.c',  
'openssl/crypto/asn1/p5\_pbe.c',  
'openssl/crypto/asn1/p5\_pbev2.c',  
'openssl/crypto/asn1/p5\_scrypt.c',  
'openssl/crypto/asn1/p8\_pkey.c',  
'openssl/crypto/asn1/t\_bitst.c',  
'openssl/crypto/asn1/t\_pkey.c',  
'openssl/crypto/asn1/t\_spki.c',  
'openssl/crypto/asn1/tasn\_dec.c',  
'openssl/crypto/asn1/tasn\_enc.c',  
'openssl/crypto/asn1/tasn\_fre.c',  
'openssl/crypto/asn1/tasn\_new.c',  
'openssl/crypto/asn1/tasn\_prn.c',  
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'openssl/crypto/asn1/tasn\_utl.c',  
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'openssl/crypto/asn1/x\_long.c',  
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'openssl/crypto/asn1/x\_spki.c',  
'openssl/crypto/asn1/x\_val.c',  
'openssl/crypto/async/arch/async\_null.c',  
'openssl/crypto/async/arch/async\_posix.c',  
'openssl/crypto/async/arch/async\_win.c',  
'openssl/crypto/async/async.c',  
'openssl/crypto/async/async\_err.c',  
'openssl/crypto/async/async\_wait.c',  
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'openssl/crypto/bf/bf\_ecb.c',  
'openssl/crypto/bf/bf\_enc.c',  
'openssl/crypto/bf/bf\_ofb64.c',  
'openssl/crypto/bf/bf\_skey.c',  
'openssl/crypto/bio/b\_addr.c',  
'openssl/crypto/bio/b\_dump.c',  
'openssl/crypto/bio/b\_print.c',  
'openssl/crypto/bio/b\_sock.c',  
'openssl/crypto/bio/b\_sock2.c',  
'openssl/crypto/bio/bf\_buff.c',  
'openssl/crypto/bio/bf\_lbuf.c',  
'openssl/crypto/bio/bf\_nbio.c',  
'openssl/crypto/bio/bf\_null.c',  
'openssl/crypto/bio/bio\_cb.c',  
'openssl/crypto/bio/bio\_err.c',  
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'openssl/crypto/bio/bss\_acpt.c',  
'openssl/crypto/bio/bss\_bio.c',  
'openssl/crypto/bio/bss\_conn.c',  
'openssl/crypto/bio/bss\_dgram.c',  
'openssl/crypto/bio/bss\_fd.c',  
'openssl/crypto/bio/bss\_file.c',  
'openssl/crypto/bio/bss\_log.c',  
'openssl/crypto/bio/bss\_mem.c',  
'openssl/crypto/bio/bss\_null.c',  
'openssl/crypto/bio/bss\_sock.c',  
'openssl/crypto/blake2/blake2b.c',  
'openssl/crypto/blake2/blake2s.c',  
'openssl/crypto/blake2/m\_blake2b.c',  
'openssl/crypto/blake2/m\_blake2s.c',  
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'openssl/crypto/bn/bn\_const.c',

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'./config/archs/BSD-x86_64/asm_avx2/crypto/sha/sha512-x86_64.s',
'./config/archs/BSD-x86_64/asm_avx2/crypto/whrlpool/wp-x86_64.s',
'./config/archs/BSD-x86_64/asm_avx2/crypto/x86_64cpuid.s',
'./config/archs/BSD-x86_64/asm_avx2/engines/e_padlock-x86_64.s',
],

```

```

'openssl_defines_BSD-x86_64': [

```

```

'NDEBUG',
'L_ENDIAN',
'OPENSSL_PIC',
'OPENSSL_CPUID_OBJ',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_MONT5',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'KECCAK1600_ASM',
'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',

```

```

],

```

```

'openssl_cflags_BSD-x86_64': [

```

```

'-Wa,--noexecstack',
'-Wall -O3',

```



```

    '-pthread',
    '-Wall -O3',

],
'openssl_ex_libs_BSD-x86_64': [
    '-pthread',
],
},
'include_dirs': [
    '.',
    './include',
    './crypto',
    './crypto/include/internal',
],
'defines': ['<@(openssl_defines_BSD-x86_64)'],
'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
}
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```
{
'variables': {
'openssl_defines_BSD-x86': [
'NDEBUG',
'L_ENDIAN',
'OPENSSL_PIC',
'OPENSSL_CPUID_OBJ',
'OPENSSL_BN_ASM_PART_WORDS',
'OPENSSL_IA32_SSE2',
'OPENSSL_BN_ASM_MONT',
'OPENSSL_BN_ASM_GF2m',
'SHA1_ASM',
'SHA256_ASM',
'SHA512_ASM',
'RC4_ASM',
'MD5_ASM',
'RMD160_ASM',
'AESNI_ASM',
'VPAES_ASM',
'WHIRLPOOL_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'POLY1305_ASM',
],
'openssl_cflags_BSD-x86': [
'-Wa,--noexecstack',
'-Wall -O3 -fomit-frame-pointer',
'-pthread',
'-Wall -O3 -fomit-frame-pointer',
],
'openssl_ex_libs_BSD-x86': [
'-pthread',
],
'openssl_cli_srcs_BSD-x86': [
'openssl/apps/asn1pars.c',
'openssl/apps/ca.c',
'openssl/apps/ciphers.c',
'openssl/apps/cms.c',
'openssl/apps/crl.c',
'openssl/apps/cr12p7.c',
'openssl/apps/dgst.c',
'openssl/apps/dhparam.c',
```

```
'openssl/apps/dsa.c',
'openssl/apps/dsaparam.c',
'openssl/apps/ec.c',
'openssl/apps/ecparam.c',
'openssl/apps/enc.c',
'openssl/apps/engine.c',
'openssl/apps/errstr.c',
'openssl/apps/gendsa.c',
'openssl/apps/genpkey.c',
'openssl/apps/genrsa.c',
'openssl/apps/nseq.c',
'openssl/apps/ocsp.c',
'openssl/apps/openssl.c',
'openssl/apps/passwd.c',
'openssl/apps/pkcs12.c',
'openssl/apps/pkcs7.c',
'openssl/apps/pkcs8.c',
'openssl/apps/pkey.c',
'openssl/apps/pkeyparam.c',
'openssl/apps/pkeyutl.c',
'openssl/apps/prime.c',
'openssl/apps/rand.c',
'openssl/apps/rehash.c',
'openssl/apps/req.c',
'openssl/apps/rsa.c',
'openssl/apps/rsautl.c',
'openssl/apps/s_client.c',
'openssl/apps/s_server.c',
'openssl/apps/s_time.c',
'openssl/apps/sess_id.c',
'openssl/apps/smime.c',
'openssl/apps/speed.c',
'openssl/apps/spkac.c',
'openssl/apps/srp.c',
'openssl/apps/storeutl.c',
'openssl/apps/ts.c',
'openssl/apps/verify.c',
'openssl/apps/version.c',
'openssl/apps/x509.c',
'openssl/apps/app_rand.c',
'openssl/apps/apps.c',
'openssl/apps/bf_prefix.c',
'openssl/apps/opt.c',
'openssl/apps/s_cb.c',
'openssl/apps/s_socket.c',
],
},
```

```
'defines': ['<@(openssl_defines_BSD-x86)'],
'include_dirs': [
    './include',
],
'cflags' : ['<@(openssl_cflags_BSD-x86)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86)'],
'sources': ['<@(openssl_cli_srcs_BSD-x86)'],
}
```

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validate-npm-package-license

=====

Give me a string and I'll tell you if it's a valid npm package license string.

```
```javascript
var valid = require('validate-npm-package-license');
```
```

SPDX license identifiers are valid license strings:

```
```javascript
```

```
var assert = require('assert');  
var validSPDXExpression = {  
  validForNewPackages: true,  
  validForOldPackages: true,  
  spdx: true  
};
```

```
assert.deepEqual(valid('MIT'), validSPDXExpression);  
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);  
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);  
assert.deepEqual(valid('ISC'), validSPDXExpression);  
...  
The function will return a warning and suggestion for nearly-correct license identifiers:
```

```
```javascript
```

```
assert.deepEqual(  
  valid('Apache 2.0'),  
  {  
    validForOldPackages: false,  
    validForNewPackages: false,  
    warnings: [  
      'license should be ' +  
      'a valid SPDX license expression (without "LicenseRef"), ' +  
      "'UNLICENSED", or ' +  
      "'SEE LICENSE IN <filename>'",  
      'license is similar to the valid expression "Apache-2.0"  
    ]  
  }  
);  
...  
SPDX expressions are valid, too ...
```

```
```javascript
```

```
// Simple SPDX license expression for dual licensing  
assert.deepEqual(  
  valid('(GPL-3.0-only OR BSD-2-Clause)'),  
  validSPDXExpression  
);  
...  
... except if they contain `LicenseRef`:
```

```
```javascript
```

```
var warningAboutLicenseRef = {
```

```

validForOldPackages: false,
validForNewPackages: false,
spdx: true,
warnings: [
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef")', ' +
  "'UNLICENSED', or ' +
  "'SEE LICENSE IN <filename>",
]
};

```

```

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

```

```

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript
assert.deepEqual(
  valid('SEE
LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

```

```

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

```

If there aren't any licensing terms, use `UNLICENSED`:

```
````javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
````
```

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```

```
#
```

```
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```

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# -----
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version 1.2.8, April 28th, 2013

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  'RC4_ASM',
  'MD5_ASM',
  'RMD160_ASM',
  'AESNI_ASM',
  'VPAES_ASM',
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  'ECP_NISTZ256_ASM',
  'POLY1305_ASM',
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  'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86)'],
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- \* HTTPS patch (which inspired HTTPSConnectionPool)
- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSConnectionPool
- \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
- \* niphlod <niphlod@gmail.com>
- \* Client-verified SSL certificates for HTTPSConnectionPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
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- \* Thomas Weischuh <thomas@t-8ch.de>
  - \* Support for TLS SNI
  - \* API unification of ssl\_version/cert\_reqs
  - \* SSL fingerprint and alternative hostname verification
  - \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
  - \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
  - \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
  - \* Correct six.moves conflict
  - \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
  - \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield  
<<http://lukasa.co.uk/about/>>
  - \* Stream method for Response objects.
  - \* Return native strings in header values.
  - \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
  - \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  - \* Fixed a race condition

- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
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- \* Added abstraction for granular control of request fields
  
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- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <http://dbrgn.ch/>
- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
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- \* Use the platform-specific CA certificate locations
  
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- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <http://tahia.tk/>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <http://grunseid.com>
- \* source\_address support and tests (with https://github.com/bui)
  
- \* Ian Cordasco <graffatcolmingov@gmail.com>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <erik.tollerud@gmail.com>
- \* Support for standard library io module.
  
- \* Krishna Prasad <kprasad.iitd@gmail.com>
- \* Google App Engine documentation

- \* Aaron Meurer <asmeurer@gmail.com>
  - \* Added `Url.url`, which unparses a `Url`
  
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  - \* Bugfixes
  
- \* Benjamin Meyer <bm\_witness@yahoo.com>
  - \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <github@sornars.com>
  - \* Support for using `ConnectionPool` and `PoolManager` as context managers.
  
- \* Alex Gaynor <alex.gaynor@gmail.com>
  - \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
  - \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>
  - \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
  - \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <jonwayne@google.com>
  - \* App Engine environment tests.
  
- \* John Krauss <https://github.com/talos>
  - \* Clues to debugging problems with ``cryptography`` dependency in docs
  
- \* Disassem <https://github.com/Disassem>
  - \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <jlatherfold@hotmail.com>
  - \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <https://github.com/chripede>
  - \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <https://github.com/jmoldow>
  - \* Fix low-level exceptions leaking from ```HTTPResponse.stream()```.
  - \* Bugfix for ```ConnectionPool.urlopen(release_conn=False)```.
  - \* Creation of ```HTTPConnectionPool.ResponseCls```.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
  - \* Made cert digest comparison use a constant-time algorithm.

- \* Adam Talsma <<https://github.com/a-tal>>
- \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <<https://evanmeagher.net>>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
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- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto:nate.prewitt@gmail.com)>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <[sethmichaellarson@protonmail.com](mailto:sethmichaellarson@protonmail.com)>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <[alex.dias@smarkets.com](mailto:alex.dias@smarkets.com)>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <[moin18@gmail.com](mailto:moin18@gmail.com)>

- \* Lazily load idna package
- \* Tom White <s6yg1ez3@mail2tor.com>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

# 1.716 libuv 1.40.0

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Transformations on dictionary words.

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Lookup tables to map prefix codes to value ranges. This is used during decoding of the block lengths, literal insertion lengths and copy lengths.

\*/

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Collection of static dictionary words.

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Bit reading helpers

\*/

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and context2 is based on the second last byte:

- 0 : control, space
- 1 : punctuation
- 2 : upper-case letter, number
- 3 :  
lower-case letter

If the last byte is ASCII, and the second last byte is not (in a valid UTF8 stream it will be a continuation byte, value between 128 and 191), the context is the same as if the second last byte was an ASCII control or space.

If the last byte is a UTF8 lead byte (value  $\geq 192$ ), then the next byte will be a continuation byte and the context id is 2 or 3 depending on the LSB of the last byte and to a lesser extent on the second last byte if it is ASCII.

- If the last byte is a UTF8 continuation byte, the second last byte can be:
- continuation byte: the next byte is probably ASCII or lead byte (assuming 4-byte UTF8 characters are rare) and the context id is 0 or 1.
  - lead byte (192 - 207): next byte is ASCII or lead byte, context is 0 or 1
  - lead byte (208 - 255): next byte is continuation byte, context is 2 or 3

The possible value combinations of the previous two bytes, the range of context ids and the type of the next byte is summarized in the table below:

| Last byte            |                      | Second last byte     |                     |
|----------------------|----------------------|----------------------|---------------------|
| ASCII (0-127)        | cont. byte (128-191) | cont. byte (192-207) | lead byte (208-255) |
| next: ASCII/lead     | not valid            | next: cont.          | next: cont.         |
| context: 4 - 63      |                      | context: 2 - 3       |                     |
| cont. byte (128-191) | next: ASCII/lead     | next: ASCII/lead     | next: cont.         |
| context: 4 - 63      | context: 0 - 1       | context: 2 - 3       |                     |
| lead byte (192-207)  | not valid            | next: ASCII/lead     | not valid           |
|                      | context: 0 - 1       |                      |                     |
| lead byte (208-255)  | not valid            | next: cont.          | not valid           |
|                      | context: 2 - 3       |                      |                     |

The context id for the signed context mode is calculated as:

```
context = (kContextLookup[512 + p1] << 3) | kContextLookup[512 + p2].
```

For any context modeling modes, the context ids can be calculated by |-ing together two lookups from one table using context model dependent offsets:

```
context = kContextLookup[offset1 + p1] | kContextLookup[offset2 + p2].
```

where offset1 and offset2 are dependent on the context mode.

\*/

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## 1.719 python-pip 9.0.1-2.3~ubuntu1.18.04.4

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## 1.720 perl 5.26.1-6ubuntu0.5

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Found in path(s):

```
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/MemberResolver.java
```



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*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtPrimitiveType.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/analysis/Executor.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/URLClassPath.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/tools/rmi/AppletServer.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/InstructionPrinter.java
*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/StackMapTable.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/ClassClassPath.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/expr/MethodCall.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/stackmap/TypedBlock.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/NewExpr.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/ASTList.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/ExceptionsAttribute.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/ClassPath.java
*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CodeConverter.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/scopedpool/ScopedClassPoolRepository.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/Bytecode.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/LineNumberAttribute.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/Parser.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/CodeIterator.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/Opcodes.java
*

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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/runtime/Desc.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/InnerClassesAttribute.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/CannotInvokeException.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/ASTree.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtNewNestedClass.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtMethod.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/Proxy.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/CastExpr.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/CodeGen.java  
 \*  
 /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/runtime/Inner.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/LocalVariableTypeAttribute.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/BinExpr.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformBefore.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/CompileError.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/scopedpool/SoftValueHashMap.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtField.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/stackmap/BasicBlock.java  
 \*  
 /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/SourceFileAttribute.java  
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 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformNew.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/Modifier.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/CodeAnalyzer.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/Expr.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Type.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/RuntimeSupport.java  
 \* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/DuplicateMemberException.java

\*  
/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/stackmap/Tracer.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/ObjectNotFoundException.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/SymbolTable.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/ProxyFactory.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/ControlFlow.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Subroutine.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/DefineClassHelper.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/expr/NewExpr.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/web/BadHttpRequest.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/AttributeInfo.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/Translator.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/MultiArrayType.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/RemoteRef.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-

jar/javassist/CtNewWrappedConstructor.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/expr/ExprEditor.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/SubroutineScanner.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtBehavior.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformReadField.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/Compiler.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/Visitor.java  
\*  
/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/ProxyObjectInputStream.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtArray.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/ByteArray.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/AnnotationImpl.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/NoSuchClassError.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Analyzer.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/ExceptionTable.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/web/Viewer.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/Keyword.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/InstanceOfExpr.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/JvstCodeGen.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/ClassFileWriter.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/NotFoundException.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/Loader.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformCall.java

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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformAccessArrayField.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/TypeChecker.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/SyntaxError.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/Mnemonic.java  
\*  
/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/IntQueue.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/util/proxy/MethodHandler.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/LongVector.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/Sample.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/rmi/Sample.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/KeywordTable.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/reflect/CannotCreateException.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/stackmap/TypeTag.java  
\*  
/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtClassType.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/DoubleConst.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtClass.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/FramePrinter.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/ArrayInit.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtNewClass.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtNewMethod.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-

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jar/javassist/bytecode/annotation/AnnotationsWriter.java
*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/MemberCodeGen.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/tools/reflect/Metaobject.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/Member.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/tools/reflect/ClassMetaobject.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/convert/Transformer.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/tools/reflect/CannotReflectException.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/util/proxy/MethodFilter.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/AnnotationsAttribute.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/ClassPool.java
*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/Callback.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/ByteStream.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/scopedpool/ScopedClassPool.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/Declarator.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/bytecode/ClassFile.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/Pair.java
*
/opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/expr/Expr.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/util/HotSwapAgent.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/expr/FieldAccess.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/compiler/ast/Stmnt.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-
jar/javassist/CannotCompileException.java
* /opt/cola/permits/1110631093_1606841297.59/0/javassist-3-22-0-cr2-sources-2-

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jar/javassist/bytecode/analysis/Util.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/BadBytecode.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/StackMap.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/Lex.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/FieldInfo.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/tools/web/Webserver.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/analysis/Frame.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/expr/ConstructorCall.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/Loader.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/CtNewWrappedMethod.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/AnnotationDefaultAttribute.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/convert/TransformWriteField.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/compiler/ast/MethodDecl.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/ClassPoolTail.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/FloatMemberValue.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/MemberValueVisitor.java  
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/opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/LongMemberValue.java  
\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/StringMemberValue.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/EnumMemberValue.java  
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\* /opt/cola/permits/1110631093\_1606841297.59/0/javassist-3-22-0-cr2-sources-2-jar/javassist/bytecode/annotation/MemberValue.java

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## 1.728 hk2-locator 2.5.0-b32

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## 1.729 hibernate-validator 6.0.18.Final

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Found in path(s):

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/context/TypeConstraintMappingContext.java

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/ShortArrayValueExtractor.java

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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/logging/formatter/ObjectArrayFormatter.java

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/HibernateValidatorConfiguration.java

\*

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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeValidatorForMonetaryAmount.java

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jar/org/hibernate/validator/constraints/pl/REGON.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/spi/scripting/ScriptEvaluator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
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jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForDouble.java
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jar/org/hibernate/validator/spi/resourceloading/ResourceBundleLocator.java
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dValidator.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/AbstractMaxValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/resolver/package-info.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForReadablePartial.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/privilegedactions/SetContextClassLoader.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/CloseIgnoringInputStream.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/RangeDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraintvalidation/HibernateConstraintValidatorContext.java
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jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/package-info.java
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jar/org/hibernate/validator/cfg/defs/NotBlankDef.java
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/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/TypeVariables.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-

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jar/org/hibernate/validator/cfg/context/MethodTarget.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/metadata/aggregated/FieldCascadable.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/engine/path/NodeImpl.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
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 jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaDataBuilder.java

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/groups/Group.java  
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 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForNumber.java  
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 jar/org/hibernate/validator/internal/constraintvalidators/bv/MinValidatorForCharSequence.java  
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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/path/PropertyNode.java  
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/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/aggregated/AbstractConstraintMetaData.java  
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jar/org/hibernate/validator/internal/metadata/descriptor/PropertyDescriptorImpl.java
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 stant.java  
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 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/NumberComparatorHelper.java  
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 jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java  
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 ator.java  
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 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/AbstractDecimalMaxValidator.ja  
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 jar/org/hibernate/validator/internal/constraintvalidators/bv/money/DecimalMinValidatorForMonetaryAmount.java  
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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArrayOfInt.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/CharArrayValueExtractor.java
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jar/org/hibernate/validator/spi/scripting/package-info.java
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jar/org/hibernate/validator/internal/engine/constraintvalidation/HibernateConstraintValidatorInitializationContextIm  
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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java  
\*  
/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MinValidatorForMonetaryAmount.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForByte.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfPrimitives.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
jar/org/hibernate/validator/constraints/URL.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-

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jar/org/hibernate/validator/internal/engine/valueextraction/ByteArrayValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraints/pl/package-info.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/privilegedactions/NewInstance.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForInteger.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/config/ValidationBootstrapParameters.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/resolver/TraversableResolvers.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/core/ConstraintOrigin.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/descriptor/package-info.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/pl/NIPDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/groups/ValidationOrderGenerator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForOffsetDateTime.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/descriptor/BeanDescriptorImpl.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/Mod11CheckDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForLong.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForLocalDate
Time.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForInteger.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/mapping/ConstraintMappingsStaxBuilder.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/ValueExtractorResolver.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/SafeHtmlDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalDateTime.java

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/raw/ConstrainedElement.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/AbstractMinValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/descriptor/ParameterDescriptorImpl.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForYearMonth.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/SimpleELContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/MinDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/DecimalMaxDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/Token.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/raw/ConfigurationSource.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/context/ConstructorConstraintMappingContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/FloatArrayValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraintvalidation/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PolishNumberValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForBigDecimal.java
a
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/package-info.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/constraintvalidation/SimpleConstraintTree.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/PastDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/raw/ConstrainedParameter.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/pl/PESELDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/ScriptAssertDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForNumber
.java
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/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/logging/formatter/DurationFormatter.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/FutureOrPresentDef.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/Version.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/defs/NegativeOrZeroDef.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/ValidatorImpl.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForDouble.java  
\*  
/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/IgnoreForbiddenApisErrors.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/spi/scripting/ScriptEvaluationException.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/NotBlankValidator.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/time/DurationMax.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptions.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/location/BeanConstraintLocation.java  
\*  
/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArrayOfShort.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/MapValueExtractor.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForCalendar.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForZonedDateTime.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/cfg/ConstraintDef.java  
\*  
/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MaxValidatorForFloat.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForDouble.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/NIPValidator.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForLong.java  
\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/engine/valueextraction/OptionalValueExtractor.java

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* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredMethod.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/mapping/CrossParameterStaxBuilder.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorContextImpl.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForCalendar.ja
va
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/privilegedactions/GetResource.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/provider/ProgrammaticMetaDataProvider.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/context/ContainerElementTarget.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForMonth
Day.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForByte.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraints/ISBN.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/CodePointLengthDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/cfg/context/ContainerElementConstraintMappingContextImpl.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForYear.ja
va
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/AssertTrueValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/EmailValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/CurrencyDef.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/resolver/JPATraversableResolver.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/hv/time/DurationMinValidator.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/context/Constrainable.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/ReadOnlyListPropertyValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-

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jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForCollection.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/mapping/ConstraintDefinitionStaxBuilder.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/core/MetaConstraints.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/constraintvalidation/HibernateConstraintValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/ListPropertyValueExtractor.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/MessageInterpolatorContext.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/messageinterpolation/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/money/PositiveOrZeroValidatorForMonetaryAmount.java
a
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/valueextraction/AnnotatedObject.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForDouble.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfBoolean.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/PESELValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForMinguoDate.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/cfg/defs/package-info.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/spi/scripting/AbstractCachingScriptEvaluatorFactory.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/resourceloading/DelegatingResourceBundleLocator.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForNumber
.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/groups/ValidationOrder.java
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/metadata/aggregated/ValidatableParametersMetaData.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-

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jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenCollector.java  
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 jar/org/hibernate/validator/internal/metadata/core/MetaConstraint.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/util/CollectionHelper.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/cfg/defs/NegativeDef.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/util/ExecutableParameterNameProvider.java  
 \*  
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 jar/org/hibernate/validator/cfg/defs/MaxDef.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForOffsetTime.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/metadata/location/ReturnValueConstraintLocation.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/engine/valueextraction/OptionalIntValueExtractor.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/cfg/context/ConstraintDefinitionContext.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForFloat.java  
 \*  
 /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMaxValidatorForLong.java  
 va  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/util/ModUtil.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/util/privilegedactions/GetAnnotationAttributes.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForBigDecimal.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/hv/AbstractScriptAssertValidator.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDate.java  
 ate.java  
 \*  
 /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/cfg/context/ConfiguredConstraint.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/DecimalMinValidatorForCharSequence.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForCharSequence.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/HibernateValidatorContext.java  
 \* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-  
 jar/org/hibernate/validator/internal/constraintvalidators/bv/NullValidator.java

```
*
/opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/cfg/context/ConstraintMappingContextImplBase.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/xml/XmlParserHelper.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/engine/resolver/TraverseAllTraversableResolver.java
* /opt/cola/permits/1110675265_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-
jar/org/hibernate/validator/internal/util/annotation/AnnotationFactory.java
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```

```
/*
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*
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*/
/**
* <p>
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
* ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* { @link javax.validation.ParameterNameProvider }. By default, { @code arg0 }, { @code arg1 }
* etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* { @code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
*
* @author Gunnar Morling
```



\*/

Found in path(s):

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java

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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-2.0.xsd

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-1.1.xsd

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-configuration-2.0.xsd

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/overview.html

\*

/opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/META-INF/validation-mapping-1.0.xsd

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\*/

/\*\*

\* Retrieves constraint related meta data for the parameters of the given

\* executable.

\*

\* @param executable The executable of interest.

\*

\* @return A list with parameter meta data for the given executable.

\*/

Found in path(s):

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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Found in path(s):

\* /opt/cola/permits/1110675265\_1606843042.99/0/hibernate-validator-6-0-18-final-sources-5-jar/org/hibernate/validator/internal/util/TypeHelper.java

## 1.730 java-compression 1.3.0

### 1.730.1 Available under license :

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## 1.731 google-uuid 1.0.0

### 1.731.1 Available under license :

Paul Borman <borman@google.com>

bmatsuo

shawnps

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- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Strings.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/MinMaxPriorityQueue.java
- \*
- /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingSetMultimap.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/RowSortedTable.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingListMultimap.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EvictionListeners.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/UnmodifiableListIterator.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/SortedMapDifference.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/package-info.java
- \*
- /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractLinkedIterator.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Equivalence.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Ascii.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/MapEvictionListener.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/net/package-info.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/SortedMaps.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ComputingConcurrentHashMap.java
- \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
- \*

/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/TransformedImmutableList.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Equivalences.java  
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* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Splitter.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ExplicitOrderedImmutableSortedSet.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/UninterruptibleFuture.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/CustomConcurrentHashMap.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/ByteArrayDataOutput.java
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\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/net/HostSpecifier.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableSetMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingTable.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/RegularImmutableSortedSet.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/AbstractService.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/Callables.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ComputationException.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/net/InternetDomainName.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Platform.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractIndexedListIterator.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableSortedAsList.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/Service.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EmptyImmutableSetMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableClassToInstanceMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ComparisonChain.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/MapMaker.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableAsList.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/SignedBytes.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/ForwardingService.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-

```
jar/com/google/common/util/concurrent/SettableFuture.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/AsynchronousComputationException.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/SingletonImmutableList.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/LineProcessor.java
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* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
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\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-

jar/com/google/common/collect/WellBehavedMap.java

```
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Enums.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/PairwiseEquivalence.java
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jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/annotations/package-info.java
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```
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
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jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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```
*/
/**
* Searches the specified list for the specified object using the binary
* search algorithm. The list must be sorted into ascending order according to
* the specified comparator (as by the {@link Collections#sort(List,
* Comparator) Collections.sort(List, Comparator)} method), prior to making
* this call. If it
is not sorted, the results are undefined.
*
* <p>Returns the index of the element in the list which has the specified
* {@code Relation} to the specified object. So as to provide meaningful
* results in all cases, {@code -1} is considered to be the index of negative
* infinity, and {@code list.size()} is considered to be the index of positive
* infinity. The exception is {@link Relation#EQUAL EQUAL}. If {@code EQUAL}
* is specified and no equal element is found, {@code -1} is returned, but it
* should not be interpreted as "negative infinity."
```

```

*
* <p>If there are duplicate elements, see the documentation on the relation
* for more details.
*
* <p>This method runs in log(n) time for a random access list (which
* provides near-constant-time positional access).
*
* @param list the list to be searched.
* @param e the value to be searched for.
* @param comparator the comparator by which the list is ordered.
* @return the index of element
with the specified relation to the search key,
*     if it is contained in the list. Otherwise, if negative infinity has
*     the specified relation (or if { @code relation } is { @code EQUAL } and
*     the search key was not in the list), returns { @code -1 }, or if
*     positive infinity has the specified relation, returns { @code
*     list.size() }.
* @throws NullPointerException if { @code key } is null and the specified
*     comparator does not accept null values.
* @throws ClassCastException if the list contains elements that are not
*     <i>mutually comparable</i> using the specified comparator, or the
*     search key is not mutually comparable with the elements of the list
*     using this comparator.
*/

```

Found in path(s):

```

* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/SortedLists.java

```

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```

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*/

```

Found in path(s):

```

* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-

```



jar/com/google/common/annotations/VisibleForTesting.java

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```
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
/*
 * Regarding newSetForMap() and SetFromMap:
 *
 * Written by Doug Lea with assistance from members of JCP JSR-166
 * Expert Group and released to the public domain, as explained at
 * http://creativecommons.org/licenses/publicdomain
 */
```

Found in path(s):

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Sets.java

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 */
```

Found in path(s):

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-

jar/com/google/common/annotations/GwtIncompatible.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/annotations/GwtCompatible.java  
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Found in path(s):

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/primitives/generate.sh  
No license file was found, but licenses were detected in source scan.

```
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* distributed under the License is distributed on an "AS IS" BASIS,  
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
* See the License for the specific language governing permissions and  
* limitations under the License.  
*/  
/**  
 * Wrapper around { @link System#arraycopy } so that it can be emulated  
 * correctly in GWT.  
 *  
 * <p>It is only intended for the case { @code src } and { @code dest } are  
 * different. It also doesn't validate the types and indices.  
 *  
 * <p>As of GWT 2.0, The built-in { @link System#arraycopy } doesn't work  
 * in  
general case. See  
 * http://code.google.com/p/google-web-toolkit/issues/detail?id=3621  
 * for more details.  
 */
```

Found in path(s):

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/Platform.java

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```
/*
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 * distributed under the License is distributed on an "AS IS" BASIS,
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 * limitations under the License.
 */
/*
 * This method was written by Doug Lea with assistance from members of JCP
 * JSR-166 Expert Group and released to the public domain, as explained at
 * http://creativecommons.org/licenses/publicdomain
 *
 * As of 2010/06/11, this method is identical to the (package private) hash
 * method in OpenJDK 7's java.util.HashMap
class.
 */
```

Found in path(s):

```
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/Hashing.java
```

No license file was found, but licenses were detected in source scan.

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 */
```

Found in path(s):

```
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/LittleEndianDataOutputStream.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/package-
info.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/InputSupplier.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/EmptyImmutableSet.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/package-info.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/OutputSupplier.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/Synchronized.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/package-
info.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/CompoundOrdering.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/LineReader.java
```

```

* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ObjectArrays.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/FinalizablePhantomReference.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ForwardingCollection.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/MapConstraints.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/Constraints.java
* /opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/Iterables.java
*
/opt/cola/permits/1110728216_1606847014.1/0/guava-r09-sources-1-
jar/com/google/common/collect/ForwardingSet.java

```

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/Files.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/UsingToStringOrdering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/NullsLastOrdering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ExplicitOrdering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/ExecutionList.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Defaults.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Suppliers.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/LittleEndianDataInputStream.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ListMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ClassToInstanceMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Lists.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/LinkedHashMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Multiset.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableList.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ByFunctionOrdering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/util/concurrent/MoreExecutors.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractSortedSetMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ComparatorOrdering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Supplier.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Ordering.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Function.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EnumBiMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingMapEntry.java  
 \*

/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EmptyImmutableList.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingIterator.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/MapConstraint.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingList.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/FinalizableWeakReference.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Primitives.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingObject.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/LinkedListMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Charsets.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/LineBuffer.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/SetMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/BiMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingSortedSet.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractListMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ConcurrentHashMultiset.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/LimitInputStream.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/SortedSetMultimap.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ForwardingMultiset.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/AbstractSetMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Multimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EnumMultiset.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/FinalizableReferenceQueue.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Iterators.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/package-info.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-

jar/com/google/common/collect/AbstractBiMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/RegularImmutableSet.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/ArrayListMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/ForwardingSortedMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Objects.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/ForwardingMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/LexicographicalOrdering.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/base/FinalizableReference.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Maps.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/ImmutableSet.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/ReverseNaturalOrdering.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/io/CountingInputStream.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/HashMultiset.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/base/Predicates.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/HashBiMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/Flushables.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/io/CharStreams.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/AbstractMapEntry.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/Multisets.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/Resources.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Functions.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/collect/Constraint.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
jar/com/google/common/util/concurrent/AbstractListenableFuture.java  
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Found in path(s):

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Shorts.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableListMultimap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Collections2.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/EmptyImmutableMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/base/Joiner.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Floats.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Longs.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Ints.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableBiMap.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/io/MultiReader.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Tables.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Booleans.java  
\*  
/opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/ImmutableMultiset.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/TreeBasedTable.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/Table.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/UnmodifiableIterator.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/collect/PeekingIterator.java  
\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-jar/com/google/common/primitives/Bytes.java

\* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/StandardRowSortedTable.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/ImmutableMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/ImmutableMultimap.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/util/concurrent/CheckedFuture.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/SingletonImmutableMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/HashBasedTable.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/StandardTable.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/EmptyImmutableSortedSet.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/base/CharMatcher.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/EmptyImmutableMultiset.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/ImmutableEntry.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/primitives/Chars.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/RegularImmutableBiMap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/Serialization.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/ImmutableCollection.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/EmptyImmutableListMultimap.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/primitives/Doubles.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/util/concurrent/AbstractCheckedFuture.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/collect/ImmutableSortedSet.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/io/FileBackedOutputStream.java  
 \*  
 /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/net/InetAddresses.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-  
 jar/com/google/common/util/concurrent/ListenableFutureTask.java  
 \* /opt/cola/permits/1110728216\_1606847014.1/0/guava-r09-sources-1-

# 1.733 st4 4.0.8

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 */

/** Build an AST from a single StringTemplate template */
parser grammar STParser;

options {
  language=Java;
  tokenVocab=STLexer;
  TokenLabelType=CommonToken;
  output=AST;
  ASTLabelType=CommonTree;
}

tokens {
```

```
EXPR; OPTIONS; PROP; PROP_IND; INCLUDE; INCLUDE_IND; EXEC_FUNC; INCLUDE_SUPER;
INCLUDE_SUPER_REGION; INCLUDE_REGION; TO_STR; LIST; MAP; ZIP; SUBTEMPLATE; ARGS;
ELEMENTS;
REGION; NULL; INDENTED_EXPR;
}
```

```
@header {
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.ErrorManager;
import org.stringtemplate.v4.misc.ErrorType;
}
```

```
@members {
ErrorManager errMgr;
Token templateToken;
public STParser(TokenStream input, ErrorManager errMgr, Token templateToken) {
this(input);
this.errMgr = errMgr;
this.templateToken = templateToken;
}
```

```
@Override
protected Object recoverFromMismatchedToken(IntStream input, int ttype, BitSet follow)
throws RecognitionException
{
throw new MismatchedTokenException(ttype, input);
}
}
```

```
@rulecatch {
catch (RecognitionException re) { throw re; }
}
```

```
templateAndEOF : template EOF -> template? ;
```

```
template : element* ;
```

```
element
: {input.LT(1).getCharPositionInLine()==0}? INDENT? COMMENT NEWLINE -> // throw away
| INDENT singleElement -> ^(INDENTED_EXPR INDENT singleElement?) // singleElement is optional to handle
error returning nil
| singleElement
| compoundElement
;
```

```
singleElement
: exprTag
| TEXT
| NEWLINE
```

```

| COMMENT!
// throw away
;

compoundElement
: ifstat
| region
;

exprTag
: LDELIM expr ( ';' exprOptions )? RDELIM
-> ^(EXPR[$LDELIM,"EXPR"] expr exprOptions?)
;

region
@init {Token indent=null;}
: i=INDENT? x=LDELIM '@' ID RDELIM {if (input.LA(1)!=NEWLINE) indent=$i;}
template
INDENT? LDELIM '@end' RDELIM
// kill \n for <@end> on line by itself if multi-line embedded region
({$region.start.getLine() != input.LT(1).getLine()}? => NEWLINE)?
-> {indent != null}?
    ^(INDENTED_EXPR $i ^(REGION[$x] ID template?))
->
    ^(REGION[$x] ID template?)
;

subtemplate
: lc='{ (ids+= ID ( ';' ids+= ID )* '|')? template INDENT? }'
// ignore final INDENT before } as it's not part of outer indent
-> ^(SUBTEMPLATE[$lc,"SUBTEMPLATE"] ^(ARGS $ids)* template?)
;

ifstat
@init {Token indent=null;}
: i=INDENT? LDELIM 'if' '(' c1=conditional ')' RDELIM {if (input.LA(1)!=NEWLINE)
indent=$i;}
t1=template
( INDENT? LDELIM 'elseif' '(' c2+=conditional ')' RDELIM t2+=template )*
( INDENT? LDELIM 'else' RDELIM t3=template )?
INDENT? endif= LDELIM 'endif'
RDELIM
// kill \n for <endif> on line by itself if multi-line IF
({$ifstat.start.getLine() != input.LT(1).getLine()}? => NEWLINE)?
-> {indent != null}?
    ^(INDENTED_EXPR $i ^( 'if' $c1 $t1? ^( 'elseif' $c2 $t2)* ^( 'else' $t3? )? ) )
->
    ^( 'if' $c1 $t1? ^( 'elseif' $c2 $t2)* ^( 'else' $t3? )? )
;

```

```

conditional
scope {
  boolean inside;
}
: andConditional ( '||'^ andConditional )*
;

andConditional : notConditional ( '&&'^ notConditional )* ;

notConditional
: '!'^ notConditional
| memberExpr
;

notConditionalExpr
: (ID->ID)
( p='.' prop=ID    -> ^(PROP[$p,"PROP"] $notConditionalExpr $prop)
| p='.' '(' mapExpr ')' -> ^(PROP_IND[$p,"PROP_IND"] $notConditionalExpr mapExpr)
)*
;

exprOptions : option ( ',' option )* -> ^(OPTIONS option*)
;

option
@init {
  String id = input.LT(1).getText();
  String defVal = Compiler.defaultOptionValues.get(id);
  boolean validOption = Compiler.supportedOptions.get(id)!=null;
}
: ID
{
  if ( !validOption ) {
    errMgr.compileTimeError(ErrorType.NO_SUCH_OPTION, templateToken, $ID, $ID.text);
  }
}
( '=' exprNoComma    -> { validOption } ? ^('=' ID exprNoComma)
->
| {
  if ( defVal==null ) {
    errMgr.compileTimeError(ErrorType.NO_DEFAULT_VALUE, templateToken, $ID);
  }
}
-> { validOption&&defVal!=null } ?
  ^(EQUALS["="] ID STRING[$ID,""+defVal+""])
->
)
;

```

```

exprNoComma
: memberExpr
( ':' mapTemplateRef -> ^(MAP memberExpr mapTemplateRef
| -> memberExpr
)
)
;

expr : mapExpr ;

// more complicated than necessary to avoid backtracking, which ruins
// error handling
mapExpr
: memberExpr
( (c=',' memberExpr)+ col=':' mapTemplateRef
-> ^(ZIP[$col]
^(ELEMENTS memberExpr+) mapTemplateRef
| -> memberExpr
)
( {if ($x!=null) $x.clear();} // don't keep queueing x; new list for each iteration
col=':' x+=mapTemplateRef ({ $c==null }?=> ',' x+=mapTemplateRef )*
-> ^(MAP[$col] $mapExpr $x+)
)*
)
;

/**
expr:template(args) apply template to expr
expr:{ arg | ... } apply subtemplate to expr
expr:(e)(args) convert e to a string template name and apply to expr
*/
mapTemplateRef
: ID '(' args ')' -> ^(INCLUDE ID args?)
| subtemplate
| lp='(' mapExpr rp=')' '(' argExprList? ')' -> ^(INCLUDE_IND mapExpr argExprList?)
;

memberExpr
: (includeExpr->includeExpr)
( p='.' ID -> ^(PROP[$p,"PROP"] $memberExpr ID)
| p='.' '(' mapExpr ')' -> ^(PROP_IND[$p,"PROP_IND"] $memberExpr mapExpr)
)*
;

includeExpr
options {k=2;} // prevent full LL(*), which fails, falling back on k=1; need k=2
: {Compiler.funcs.containsKey(input.LT(1).getText())}? // predefined
function
ID '(' expr? ')' -> ^(EXEC_FUNC ID expr?)

```

```

| 'super' ! ID '(' args ')' -> ^(INCLUDE_SUPER ID args?)
| ID '(' args ')' -> ^(INCLUDE ID args?)
| '@' 'super' ! ID '(' rp=')' -> ^(INCLUDE_SUPER_REGION ID)
| '@' ID '(' rp=')' -> ^(INCLUDE_REGION ID)
| primary
;

primary
: ID
| STRING
| TRUE
| FALSE
| subtemplate
| list
| {$conditional.size()>0}?=> '(! conditional )!'
| {$conditional.size()==0}?=> lp='( expr )'
( '(' argExprList? ')' -> ^(INCLUDE_IND[$lp] expr argExprList?)
| -> ^(TO_STR[$lp] expr)
)
;

args: argExprList
| namedArg ( ' namedArg )* ('...')? -> namedArg+ '...'?
| '...'
|
;

argExprList : arg ( ' arg )* -> arg+ ;

arg : exprNoComma ;

namedArg : ID '=' arg -> ^('=' ID arg) ;

list: {input.LA(2)==RBRACK}? // hush warning; [] special case
lb='[' -> LIST[$lb]
| lb='[' listElement ( ' listElement )* ']' -> ^(LIST[$lb] listElement*)
;

listElement
: exprNoComma | -> NULL ;

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/compiler/STParser.g
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*/

```

```
tree grammar CodeGenerator;
```

```

options {
  language=Java;
  tokenVocab=STParser;
  ASTLabelType=CommonTree;
}

```

```

@header {
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\*/

```
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
}
```

```
@members {
String outermostTemplateName; // name of overall template
CompiledST outermostImpl;
Token templateToken; // overall template token
String template; // overall template text
ErrorManager errMgr;
public CodeGenerator(TreeNodeStream input, ErrorManager errMgr, String name, String template, Token
templateToken) {
this(input, new RecognizerSharedState());
this.errMgr = errMgr;
this.outermostTemplateName = name;
this.template = template;
this.templateToken = templateToken;
}
}
```

```
// convience funcs to hide offensive sending of emit messages to
// CompilationState
temp data object.
```

```
public void emit1(CommonTree opAST, short opcode, int arg) {
$template::state.emit1(opAST, opcode, arg);
}
public void emit1(CommonTree opAST, short opcode, String arg) {
$template::state.emit1(opAST, opcode, arg);
}
public void emit2(CommonTree opAST, short opcode, int arg, int arg2) {
$template::state.emit2(opAST, opcode, arg, arg2);
}
```

```

}
public void emit2(CommonTree opAST, short opcode, String s, int arg2) {
    $template::state.emit2(opAST, opcode, s, arg2);
}
    public void emit(CommonTree opAST, short opcode) {
        $template::state.emit(opAST, opcode);
    }
public void insert(int addr, short opcode, String s) {
    $template::state.insert(addr, opcode, s);
}
public void setOption(CommonTree id) {
    $template::state.setOption(id);
}
public void write(int addr, short value) {
    $template::state.write(addr,value);
}
public int address() { return $template::state.ip; }
public void func(CommonTree id) { $template::state.func(templateToken,
id); }
public void refAttr(CommonTree id) { $template::state.refAttr(templateToken, id); }
public int defineString(String s) { return $template::state.defineString(s); }
}

```

templateAndEOF : template[null,null] EOF; // hush warning; ignore

```

template[String name, List<FormalArgument> args] returns [CompiledST impl]
scope {
    CompilationState state; // automatically get a new state pointer per invocation
}
@init {
    $template::state = new CompilationState(errMgr, name, input.getTokenStream());
    $impl = $template::state.impl;
    if ( $template.size() == 1 ) outermostImpl = $impl;
    $impl.defineFormalArgs($args); // make sure args are defined prior to compilation
    if ( name!=null && name.startsWith(Compiler.SUBTEMPLATE_PREFIX) ) {
        $impl.addArg(new FormalArgument("i"));
        $impl.addArg(new FormalArgument("i0"));
    }
    $impl.template = template; // always forget the entire template; char indexes are relative to it
}
: chunk
{ // finish off
the CompiledST result
    if ( $template::state.stringtable!=null ) $impl.strings = $template::state.stringtable.toArray();
    $impl.codeSize = $template::state.ip;
}
;

```

```

chunk
: element*
;

element
: ^(INDENTED_EXPR INDENT compoundElement[$INDENT]) // ignore indent in front of IF and region blocks
| compoundElement[null]
| ^(INDENTED_EXPR INDENT { $template::state.indent($INDENT); } singleElement
{ $template::state.emit(Bytecode.INSTR_DEDENT); })
| singleElement
;

singleElement
: exprElement
| TEXT
{
if ( $TEXT.text.length()>0 ) {
emit1($TEXT,Bytecode.INSTR_WRITE_STR, $TEXT.text);
}
}

| NEWLINE { emit($NEWLINE, Bytecode.INSTR_NEWLINE); }
;

compoundElement[CommonTree indent]
: ifstat[indent]
| region[indent]
;

exprElement
@init { short op = Bytecode.INSTR_WRITE; }
: ^( EXPR expr (exprOptions { op=Bytecode.INSTR_WRITE_OPT; })? )
{
/*
CompilationState state = $template::state;
CompiledST impl = state.impl;
if
( impl.instrs[state.ip-1] == Bytecode.INSTR_LOAD_LOCAL ) {
impl.instrs[state.ip-1] = Bytecode.INSTR_WRITE_LOCAL;
}
else {
emit($EXPR, op);
}
*/
emit($EXPR, op);
}
;

```

```

region[CommonTree indent] returns [String name]
@init {
  if ( indent!=null ) $template::state.indent(indent);
}
@after {
  if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
: ^( REGION ID
  { $name = STGroup.getMangledRegionName(outermostTemplateName, $ID.text);}
  template[$name,null]
  {
  CompiledST sub = $template.impl;
    sub.isRegion = true;
    sub.regionDefType = ST.RegionType.EMBEDDED;
    sub.templateDefStartToken = $ID.token;
  //sub.dump();
  outermostImpl.addImplicitlyDefinedTemplate(sub);
  emit2($start, Bytecode.INSTR_NEW, $region.name, 0);
  emit($start, Bytecode.INSTR_WRITE);
  }
  )
;

```

```

subtemplate returns [String name, int nargs]
@init {
  $name = Compiler.getNewSubtemplateName();
  List<FormalArgument>
  args = new ArrayList<FormalArgument>();
}
: ^( SUBTEMPLATE
  (^ (ARGS (ID {args.add(new FormalArgument($ID.text));}))+)*)
  { $nargs = args.size();}
  template[$name,args]
  {
  CompiledST sub = $template.impl;
  sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
  //sub.dump();
  outermostImpl.addImplicitlyDefinedTemplate(sub);
  }
  )
| SUBTEMPLATE // {}
{
  CompiledST sub = new CompiledST();
  sub.name = $name;
}

```

```

sub.template = "";
sub.addArg(new FormalArgument("i"));
sub.addArg(new FormalArgument("i0"));
sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
}
;

ifstat[CommonTree
indent]
@init {
    /** Tracks address of branch operand (in code block). It's how
     * we backpatch forward references when generating code for IFs.
     */
    int prevBranchOperand = -1;
    /** Branch instruction operands that are forward refs to end of IF.
     * We need to update them once we see the endif.
     */
    List<Integer> endRefs = new ArrayList<Integer>();
    if ( indent!=null ) $template::state.indent(indent);
}
@after {
    if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
: ^( i='if' conditional
{
    prevBranchOperand = address()+1;
    emit1($i,Bytecode.INSTR_BRF, -1); // write placeholder as branch target
}
chunk
( ^(eif='elseif'
{
    endRefs.add(address()+1);
    emit1($eif,Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
}
ec=conditional
{

    prevBranchOperand = address()+1;
    // write placeholder as branch target

```

```

    emit1($ec.start, Bytecode.INSTR_BRF, -1);
  }
  chunk
)
)*
( ^( el='else'
  {
    endRefs.add(address()+1);
    emit1($el, Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
  }
  chunk
)
)?
)
{
if ( prevBranchOperand >= 0 ) {
  write(prevBranchOperand, (short)address());
}
  for (int opnd : endRefs) write(opnd, (short)address());
}
;

conditional
: ^(OR conditional conditional) {emit($OR, Bytecode.INSTR_OR);}
| ^(AND conditional conditional) {emit($AND, Bytecode.INSTR_AND);}
| ^(BANG conditional) {emit($BANG, Bytecode.INSTR_NOT);}
| expr // not all expr are valid, but reuse code gen (parser restricts syntax)
;

exprOptions : {emit($start, Bytecode.INSTR_OPTIONS);}
^(OPTIONS option*);

option : ^(' ID expr) {setOption($ID);} ;

expr
@init {int nt = 0, ne = 0;}
: ^(ZIP ^(ELEMENTS (expr {ne++;})+) mapTemplateRef[ne])
  {emit1($ZIP, Bytecode.INSTR_ZIP_MAP, ne);}
| ^(MAP expr (mapTemplateRef[1] {nt++;})+)
  {
  if ( nt > 1 ) emit1($MAP, nt > 1 ? Bytecode.INSTR_ROT_MAP : Bytecode.INSTR_MAP, nt);
  else emit($MAP, Bytecode.INSTR_MAP);
  }
| prop
| includeExpr

```

```

;

prop: ^(PROP expr ID) {emit1($PROP, Bytecode.INSTR_LOAD_PROP, $ID.text);}
| ^(PROP_IND expr expr) {emit($PROP_IND, Bytecode.INSTR_LOAD_PROP_IND);}
;

mapTemplateRef[int num_exprs]
: ^( INCLUDE ID
  {for (int i=1; i<=$num_exprs; i++) emit($INCLUDE,Bytecode.INSTR_NULL);}
  args
)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n+$num_exprs);
}
| subtemplate
{
if ( $subtemplate.nargs
!= $num_exprs ) {
errMgr.compileTimeError(ErrorType.ANON_ARGUMENT_MISMATCH,
templateToken, $subtemplate.start.token, $subtemplate.nargs, $num_exprs);
}
for (int i=1; i<=$num_exprs; i++) emit($subtemplate.start,Bytecode.INSTR_NULL);
emit2($subtemplate.start, Bytecode.INSTR_NEW,
$subtemplate.name,
$num_exprs);
}

| ^( INCLUDE_IND expr
{
emit($INCLUDE_IND,Bytecode.INSTR_TOSTR);
for (int i=1; i<=$num_exprs; i++) emit($INCLUDE_IND,Bytecode.INSTR_NULL);
}
args
{
emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n+$num_exprs);
}
)
;

includeExpr
: ^(EXEC_FUNC ID expr?) {func($ID);}
| ^(INCLUDE ID args)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n);
}

```



```

}
| ^(INCLUDE_SUPER
ID args)
{
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW, $ID.text, $args.n);
}
| ^(INCLUDE_REGION ID) {
    CompiledST impl =
    Compiler.defineBlankRegion(outermostImpl, $ID.token);
    //impl.dump();
    emit2($INCLUDE_REGION,Bytecode.INSTR_NEW,impl.name,0);
}
| ^(INCLUDE_SUPER_REGION ID) {
    String mangled =
        STGroup.getMangledRegionName(outermostImpl.name, $ID.text);
    emit2($INCLUDE_SUPER_REGION,Bytecode.INSTR_SUPER_NEW,mangled,0);
}
| primary
;

primary
: ID {refAttr($ID);}
| STRING {emit1($STRING,Bytecode.INSTR_LOAD_STR, Misc.strip($STRING.text,1));}
| TRUE {emit($TRUE, Bytecode.INSTR_TRUE);}
| FALSE {emit($FALSE, Bytecode.INSTR_FALSE);}
| subtemplate //
push a subtemplate but ignore args since we can't pass any to it here
    {emit2($start,Bytecode.INSTR_NEW, $subtemplate.name, 0);}
| list
| ^( INCLUDE_IND
    expr {emit($INCLUDE_IND, Bytecode.INSTR_TOSTR);}
    args {emit1($INCLUDE_IND, Bytecode.INSTR_NEW_IND, $args.n);}
    )
| ^(TO_STR expr) {emit($TO_STR, Bytecode.INSTR_TOSTR);}
;

arg : expr ;

args returns [int n=0, boolean namedArgs=false, boolean passThru]
: ( arg {$n++;} )+
| {emit($args.start, Bytecode.INSTR_ARGS); $namedArgs=true;}
( ^ (eq='=' ID expr)
    {$n++; emit1($eq, Bytecode.INSTR_STORE_ARG, defineString($ID.text));}
)+
( '...' {$passThru=true;} )?
| '...' {$passThru=true; emit($args.start, Bytecode.INSTR_ARGS); $namedArgs=true;}

```

```
|  
;  
  
list: {emit($start, Bytecode.INSTR_LIST);}  
  ^(LIST (listElement {emit($listElement.start, Bytecode.INSTR_ADD);})*)  
  ;
```

```
listElement : expr | NULL {emit($NULL,Bytecode.INSTR_NULL);} ;
```

Found in path(s):

```
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-  
jar/org/stringtemplate/v4/compiler/CodeGenerator.g
```

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```
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```

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```

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```

```
*/
```

```
grammar Group;
```

```
options {
```

```
  language=Java;
```

```
}
```

```
tokens {
```

```

TRUE='true'; FALSE='false'; LBRACK='['; RBRACK=']';
}

@header {
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*/
package org.stringtemplate.v4.compiler;

import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
import java.io.File;
}

@lexer::header {
/*
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```

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- \*/

```
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.*;
import org.stringtemplate.v4.misc.*;
import java.io.File;
}
```

```
@members {
public STGroup group;
```

```
@Override
public void displayRecognitionError(String[] tokenNames,
RecognitionException e)
{
String msg = getErrorMessage(e, tokenNames);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
```

```
@Override
public String getSourceName() {
String fullFileName = super.getSourceName();
File f = new File(fullFileName); // strip to simple name
return f.getName();
}
```

```

}
public void error(String msg) {
    NoViableAltException e = new NoViableAltException("", 0, 0, input);
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    recover(input, null);
}
}

@lexer::members {
public STGroup
group;

@Override
public void reportError(RecognitionException e) {
    String msg = null;
    if ( e instanceof NoViableAltException ) {
        msg = "invalid character '"+(char)input.LA(1)+"'";
    }
    else if ( e instanceof MismatchedTokenException && ((MismatchedTokenException)e).expecting=="") {
        msg = "unterminated string";
    }
    else {
        msg = getErrorMessage(e, getTokenNames());
    }
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}

@Override
public String getSourceName() {
    String fullFileName = super.getSourceName();
    File f = new File(fullFileName); // strip to simple name
    return f.getName();
}
}

group[STGroup group, String prefix]
@init {
GroupLexer lexer = (GroupLexer)input.getTokenSource();
this.group = lexer.group = $group;
}
: oldStyleHeader?
delimiters?
( 'import' STRING {group.importTemplates($STRING);}
| 'import' // common error: name not in string
{
MismatchedTokenException
e = new MismatchedTokenException(STRING, input);
reportError(e);
}
}

```

```

    ID (',' ID)* // might be a.b.c.d
  )*
  def[prefix]*
  EOF
;

oldStyleHeader // ignore but lets us use this parser in AW for both v3 and v4
: 'group' ID (',' ID)?
  ('implements' ID (',' ID)* )?
  ','
;

groupName returns [String name]
@init {StringBuilder buf = new StringBuilder();}
: a=ID {buf.append($a.text);} (' a=ID {buf.append($a.text);})*
;

delimiters
: 'delimiters' a=STRING ',' b=STRING
  {
    group.delimiterStartChar=$a.getText().charAt(1);
    group.delimiterStopChar=$b.getText().charAt(1);
  }
;

/** Match template and dictionary defs outside of (...) loop in group.
 * The key is catching while still in the loop; must keep prediction of
 * elements separate from "stay in loop" prediction.
 */
def[String prefix] : templateDef[prefix] | dictDef ;
catch[RecognitionException re] {
  // pretend
  we already saw an error here
  state.lastErrorIndex = input.index();
  error("garbled template definition starting at "+input.LT(1).getText()+"");
}

templateDef[String prefix]
@init {
  String template=null;
  int n=0; // num char to strip from left, right of template def
}
: ('@' enclosing=ID '.' name=ID '(' ')
  | name=ID '(' formalArgs ')'
)
'::='
{Token templateToken = input.LT(1);}
( STRING {template=$STRING.text; n=1;}

```

```

| BIGSTRING {template=$BIGSTRING.text; n=2;}
| BIGSTRING_NO_NL {template=$BIGSTRING_NO_NL.text; n=2;}
| {
  template = "";
  String msg = "missing template at '"+input.LT(1).getText()+"'";
  NoViableAltException e = new NoViableAltException("", 0, 0, input);
  group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
)
{
  if ( $name.index >= 0 ) { // if ID missing
  template = Misc.strip(template, n);
  String templateName
= $name.text;
  if ( prefix.length()>0 ) templateName = prefix+$name.text;
  String enclosingTemplateName = $enclosing.text;
  if ( enclosingTemplateName != null && enclosingTemplateName.length()>0 && prefix.length()>0 ) {
  enclosingTemplateName = prefix + enclosingTemplateName;
}
  group.defineTemplateOrRegion(templateName, enclosingTemplateName, templateToken,
  template, $name, $formalArgs.args);
}
}
| alias=ID '::=' target=ID {group.defineTemplateAlias($alias, $target);}
;

```

```
formalArgs returns[List<FormalArgument> args = new ArrayList<FormalArgument>()]
```

```

scope {
  boolean hasOptionalParameter;
}
@init { $formalArgs::hasOptionalParameter = false; }
: formalArg[$sargs] (' formalArg[$sargs])*
|
;

```

```
formalArg[List<FormalArgument> args]
```

```

: ID
( '=' a=(STRING|ANONYMOUS_TEMPLATE|'true'|'false') {$formalArgs::hasOptionalParameter = true;}
| '=' a=[' ' ] {$formalArgs::hasOptionalParameter = true;}
| {
  if ($formalArgs::hasOptionalParameter)
  {
    group.errMgr.compileTimeError(ErrorType.REQUIRED_PARAMETER_AFTER_OPTIONAL,
    null, $ID);
  }
}
)
{$sargs.add(new FormalArgument($ID.text, $a));}

```

```

;

/*
suffix returns [int cardinality=FormalArgument.REQUIRED]
: OPTIONAL
| STAR
| PLUS
|
;
*/

dictDef
: ID '::~=' dict
{
if ( group.rawGetDictionary($ID.text)!=null ) {
group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
}
else if ( group.rawGetTemplate($ID.text)!=null ) {
group.errMgr.compileTimeError(ErrorType.TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
}
else {
group.defineDictionary($ID.text, $dict.mapping);
}
}
;

dict returns [Map<String,Object> mapping]
@init { mapping=new HashMap<String,Object>();}
: '[' dictPairs[mapping] ']'
;

dictPairs[Map<String,Object> mapping]
: keyValuePair[mapping]
(,' keyValuePair[mapping])*
(,' defaultValuePair[mapping])?
| defaultValuePair[mapping]
;
catch[RecognitionException re] {
error("missing dictionary entry at "+input.LT(1).getText()+"");
}

defaultValuePair[Map<String,Object> mapping]
: 'default' ':' keyValue { mapping.put(STGroup.DEFAULT_KEY, $keyValue.value);}
;

keyValuePair[Map<String,Object> mapping]
: STRING ':' keyValue { mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value);}
;

```



```

keyValue returns [Object value]
: BIGSTRING  {$value = group.createSingleton($BIGSTRING);}
| BIGSTRING_NO_NL  {$value = group.createSingleton($BIGSTRING_NO_NL);}
| ANONYMOUS_TEMPLATE {$value = group.createSingleton($ANONYMOUS_TEMPLATE);}
| STRING  {$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));}
| TRUE  {$value = true;}
| FALSE  {$value = false;}
| '['  {$value = Collections.emptyList();}
| {input.LT(1).getText().equals("key")}?=> ID
  {$value = STGroup.DICT_KEY;}
;
catch[RecognitionException re] {
  error("missing value for key at "+input.LT(1).getText()+"");
}

```

```

ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'-'|'_')*
;

```

STRING

```

: ""
( '\\ ' ""
| '\\ ~ ""
| {
  String msg = "\\n in string";
  NoViableAltException e = new NoViableAltException("", 0, 0, input);
  group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
  '\n'
| ~(\\|'|""|\n')
)*
""
{
  String txt = getText().replaceAll("\\\\\\\\", "\\");
  setText(txt);
}
;

```

BIGSTRING\_NO\_NL // same as BIGSTRING but means ignore newlines later

```

: '<%' ( . )* '%>'
  // %\> is the escape to avoid end of string
  {
    String txt = getText().replaceAll("%\\\\\\>", "%>");
    setText(txt);
  }
;

```

/\*\* Match <<...>> but also allow <<..<x>>> so we can have tag on end.

Escapes: >\> means >> inside of <<...>>.

Escapes: \>> means >> inside of <<...>> unless at end like <<...\>>>>.

In that case, use <%...>%> instead.

\*/

#### BIGSTRING

: '<<'

( options {greedy=false;}

: '\\ '>' // \> escape

| '\\ ~>' // allow this but don't collapse in action

| ~\\'

)\*

'>>'

{

String txt = getText();

txt = Misc.replaceEscapedRightAngle(txt); // replace \> with > unless <|\>

setText(txt);

}

;

#### ANONYMOUS\_TEMPLATE

: '{'

{

Token templateToken = new CommonToken(input, ANONYMOUS\_TEMPLATE, 0, getCharIndex(), getCharIndex());

STLexer lexer =

new STLexer(group.errMgr, input, templateToken, group.delimiterStartChar, group.delimiterStopChar);

lexer.subtemplateDepth = 1;

Token t = lexer.nextToken();

while ( lexer.subtemplateDepth>=1 || t.getType()!=STLexer.RCURLY ) {

if ( t.getType()==STLexer.EOF\_TYPE ) {

MismatchedTokenException e = new MismatchedTokenException('}', input);

String msg = "missing final '}' in {...} anonymous template";

group.errMgr.groupLexerError(ErrorType.SYNTAX\_ERROR,

getSourceName(), e, msg);

break;

}

t = lexer.nextToken();

}

}

// don't match '}' here; our little {...} scanner loop matches it

// to terminate.

;

#### COMMENT

: '/' ( options {greedy=false;} : . )\* '\*' {skip();}

;

LINE\_COMMENT

```
: '/' ~(\n|\r)* \r? \n' {skip();}
```

;

WS : (' |\r|\t|\n') {skip();} ;

Found in path(s):

\* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/Group.g

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\*/

Found in path(s):

\* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-

jar/org/stringtemplate/v4/misc/TypeRegistry.java

\* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-

jar/org/stringtemplate/v4/misc/AmbiguousMatchException.java

No license file was found, but licenses were detected in source scan.

/\*

```

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*/

```

Found in path(s):

```

* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/gui/JTreeASTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/gui/JTreeSTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/debug/InterpEvent.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/misc/STGroupCompiletimeMessage.java
*
/opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/compiler/BytecodeDisassembler.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/compiler/CompilationState.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/ModelAdaptor.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Misc.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/misc/STLexerMessage.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STGroup.java

```

\* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Coordinate.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/ErrorMessage.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/IndentEvent.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STCompiletimeMessage.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/FormalArgument.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/ErrorBuffer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/ST.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/AutoIndentWriter.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/DateRenderer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/ConstructionEvent.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/NumberRenderer.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Interval.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/ObjectModelAdaptor.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STGroupFile.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CodeGenerator.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/STException.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STNoSuchAttributeException.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/gui/STViz.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STGroupDir.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CompiledST.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/MapModelAdaptor.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/AttributeRenderer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/EvalTemplateEvent.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/STLexer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STGroupString.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-

jar/org/stringtemplate/v4/misc/STNoSuchPropertyException.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/Aggregate.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/STRuntimeMessage.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/debug/AddAttributeEvent.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/compiler/Bytecode.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/AggregateModelAdaptor.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/Interpreter.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/STWriter.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/MultiMap.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/ArrayIterator.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/compiler/GroupParser.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/ErrorMessageManager.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/STModelAdaptor.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/debug/EvalExprEvent.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/gui/STViewFrame.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/compiler/GroupLexer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/misc/STMessage.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/compiler/StringTable.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/NoIndentWriter.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/STErrorListener.java  
 \*  
 /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/compiler/Compiler.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/StringRenderer.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/InstanceScope.java  
 \* /opt/cola/permits/1110745825\_1606848362.54/0/st4-4-0-8-sources-1-  
 jar/org/stringtemplate/v4/gui/JTreeScopeStackModel.java

# 1.734 libsemanage-common 2.7-2build2

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Any executables

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object

code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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@ignore

@c Set file name and title for man page.

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@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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@item

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@item

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@item

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

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Any

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DRuntime: Runtime Library for the D Programming Language

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Version 3, 29 June 2007

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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/soap/SoapFaultException.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/Phased.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/Formatter.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/event/ContextStoppedEvent.java

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/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/SchedulingAwareRunnable.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/ApplicationContextAware.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/RmiClientInterceptor.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/JmxException.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ui/context/support/UiApplicationContextUtils.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/naming/SelfNaming.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/access/InvalidInvocationException.java

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/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ui/context/ThemeSource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/RemoteInvocationFailureException.java

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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/support/RefreshableScriptTargetSource.java  
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/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/BindingErrorProcessor.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/RmiBasedExporter.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/number/AbstractNumberFormatter.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/jmx/export/ assembler/MBeanInfoAssembler.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java  
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jar/org/springframework/context/annotation/DeferredImportSelector.java  
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 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/JndiRmiProxyFactoryBean.java  
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 /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ejb/access/AbstractRemoteSlsbInvokerInterceptor.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/number/CurrencyStyleFormatter.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/stereotype/Repository.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/remoting/support/RemoteExporter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/DefaultMessageCodesResolver.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/CronTask.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/DateTimeFormatterFactoryBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/number/NumberStyleFormatter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/support/NotificationListenerHolder.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jndi/JndiObjectTargetSource.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/event/SourceFilteringListener.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/remoting/rmi/RmiProxyFactoryBean.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/EmbeddedValueResolutionSupport.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/NotificationListenerBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/expression/MapAccessor.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/TriggerTask.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/AbstractRefreshableConfigApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/i18n/SimpleLocaleContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/event/EventPublicationInterceptor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/tomcat/TomcatLoadTimeWeaver.java
*

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/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/format/number/money/Jsr354NumberFormatAnnotationFormatterFactory.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/scripting/bsh/BshScriptEvaluator.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/jmx/export/assembly/AbstractMBeanInfoAssembler.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/cache/interceptor/NamedCacheResolver.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/context/annotation/Condition.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
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 \*  
 /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/jmx/support/MetricType.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/context/expression/EnvironmentAccessor.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/context/annotation/AnnotationConfigApplicationContextExtensions.kt  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/format/number/money/MonetaryAmountFormatter.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java  
 \*  
 /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
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 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/format/datetime/joda/DateTimeFormatterFactory.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
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 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/cache/support/NullValue.java  
 \*  
 /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/ui/ExtendedModelMap.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
 jar/org/springframework/format/support/FormattingConversionServiceFactoryBean.java  
 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
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 \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/validation/support/BindingAwareModelMap.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/ConversionServiceFactoryBean.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/expression/BeanFactoryAccessor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/remoting/support/RemoteAccessor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/JodaTimeFormatterRegistrar.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/concurrent/DefaultManagedTaskExecutor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/stereotype/Component.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/support/StaticScriptSource.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/JodaTimeContext.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/config/CacheNamespaceHandler.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/DateTimeContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/Jsrf310DateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java
*

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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/FixedRateTask.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/concurrent/DefaultManagedTaskScheduler.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ContextAnnotationAutowireCandidateResolver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/weaving/LoadTimeWeaverAwareProcessor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/DelegatingMessageSource.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/DateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/DateFormatterRegistrar.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/SimpleInstrumentableClassLoader.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/metadata/ManagedNotification.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/expression/AnnotatedElementKey.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/metadata/ManagedResource.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/asm/MethodExclusionMBeanInfoAssembler.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/SimpleLoadTimeWeaver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/EnvironmentAware.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/FixedDelayTask.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/context/index/CandidateComponentsIndex.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/ScriptFactory.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/support/SimpleCacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/Js330ScopeMetadataResolver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/support/StandardScriptEvaluator.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/ScheduledTaskHolder.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/ApplicationContextAwareProcessor.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/MessageSourceResolvable.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
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Found in path(s):

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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/LocalDateParser.java
```

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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/MessageSourceResourceBundle.java
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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/beanvalidation/OptionalValidatorFactoryBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ImportSelector.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/LocalTimeParser.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/support/TaskUtils.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/ReadablePartialPrinter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/i18n/LocaleContext.java
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ScopedProxyMode.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/MillisecondInstantPrinter.java
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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/LocalDateTimeParser.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/DateTimeParser.java
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Found in path(s):

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/support/CronTrigger.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java  
\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/number/PercentStyleFormatter.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/joda/MonthDayFormatter.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedResource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/annotation/CacheConfig.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperation.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java  
\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/support/StandardScriptEvalException.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/config/LangNamespaceHandler.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/Role.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedNotification.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/RemoteTimeoutException.java  
\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ImportResource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/joda/YearMonthFormatter.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ComponentScans.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/scripting/ScriptEvaluator.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/PeriodFormatter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/joda/DurationFormatter.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/event/EventListenerFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/annotation/ManagedMetric.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/PayloadApplicationEvent.java
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/ui/ModelMapExtensions.kt
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/ui/ModelExtensions.kt
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- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/config/ScheduledTasksBeanDefinitionParser.java
- \*
- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/config/AbstractPropertyLoadingBeanDefinitionParser.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/config/PropertyPlaceholderBeanDefinitionParser.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/bsh/BshScriptFactory.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedNotifications.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/SimpleKeyGenerator.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/standard/YearMonthFormatter.java
- \*
- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ScopeMetadataResolver.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jndi/JndiPropertySource.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/annotation/Cacheable.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/annotation/Schedules.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ComponentScan.java
- \*
- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/event/EventListener.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/Printer.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/cache/interceptor/KeyGenerator.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/instrument/classloading/weblogic/WebLogicLoadTimeWeaver.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/DurationFormatter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/annotation/CachePut.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/annotation/Async.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/ApplicationListener.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/ApplicationEventPublisher.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/TemporalAccessorPrinter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/support/NoOpCacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/interceptor/CacheEvaluationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/TaskScheduler.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/annotation/Caching.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/TemporalAccessorParser.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/support/AbstractCacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/Parser.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/support/CompositeCacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/Primary.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/annotation/CacheEvict.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/datetime/standard/InstantFormatter.java

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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationUtils.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/support/StandardScriptUtils.java  
\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/support/RegistrationPolicy.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/Import.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/standard/MonthDayFormatter.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/standard/PeriodFormatter.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/RmiClientInterceptorUtils.java  
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*/  
/**  
* Abstract the invocation of a cache operation.  
*  
* <p>Does not provide a way to transmit checked exceptions but  
* provide a special exception that should be used to wrap any  
* exception that was thrown by the underlying invocation.  
* Callers are expected to handle this issue type specifically.  
*  
* @author Stephane Nicoll  
* @since 4.1  
*/
```

Found in path(s):

```
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
jar/org/springframework/cache/interceptor/CacheOperationInvoker.java  
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```
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java  
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java  
*  
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
jar/org/springframework/jmx/export/SpringModelMBean.java  
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-  
jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
```

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationFactory.java

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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ImportAware.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java

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- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/concurrent/ScheduledExecutorFactoryBean.java
- \*
- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/config/CacheAdviceParser.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/ assembler/ SimpleReflectiveMBeanInfoAssembler.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/event/SmartApplicationListener.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/CachePutOperation.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ejb/access/AbstractSlsbInvokerInterceptor.java
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- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/support/BindingAwareConcurrentModel.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassLoaderAdapter.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/BeanAnnotationHelper.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/SmartLifecycle.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/annotation/EnableScheduling.java
- \*
- /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/ assembler/ AbstractConfigurableMBeanInfoAssembler.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/MethodValidationInterceptor.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/Lifecycle.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/ assembler/ InterfaceBasedMBeanInfoAssembler.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
- \* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/instrument/classloading/ResourceOverridingShadowingClassLoader.java
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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/annotation/AsyncConfigurationSelector.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeConverters.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java  
\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemotingSupport.java  
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 jar/org/springframework/format/datetime/standard/MonthFormatter.java

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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/AbstractPropertyBindingResult.java

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jar/org/springframework/remoting/rmi/RmiInvocationWrapper.java
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jar/org/springframework/scheduling/config/TaskManagementConfigUtils.java

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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/Validator.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ui/Model.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassUtils.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/standard/YearFormatter.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/AdviceMode.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/support/JmxUtils.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/assembly/MethodNameBasedMBeanInfoAssembler.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ScopedProxyCreator.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/config/LangNamespaceUtils.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jndi/JndiObjectLocator.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jndi/JndiCallback.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/CacheOperation.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/annotation/CachingConfigurer.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/MBeanExportOperations.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/support/ScriptFactoryPostProcessor.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/StaticMessageSource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/LiveBeansView.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ComponentScanBeanDefinitionParser.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/ConfigurationMethod.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/SimpleKey.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/notification/ModelMBeanNotificationPublisher.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/annotation/NumberFormat.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocation.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/export/assembly/MetadataMBeanInfoAssembler.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/ui/context/support/DelegatingThemeSource.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/config/AnnotationDrivenCacheBeanDefinitionParser.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/format/datetime/joda/JodaTimeContextHolder.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/cache/interceptor/CacheProxyFactoryBean.java

\*

/opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/scripting/config/ScriptingDefaultsParser.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/support/ContextTypeMatchClassLoader.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/ApplicationEvent.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/PropertySource.java

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-

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jar/org/springframework/validation/MessageCodeFormatter.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/support/ConnectorServerFactoryBean.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/MessageSourceSupport.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/support/AbstractValueAdaptingCache.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/support/GenericGroovyApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/SchedulingTaskExecutor.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/BeanMethod.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/DependsOn.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/ObjectError.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/support/PeriodicTrigger.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/annotation/EnableAsync.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/annotation/DateTimeFormat.java
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* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/PropertySources.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/CacheManager.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/cache/interceptor/BasicOperation.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/annotation/Validated.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
*
/opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/context/annotation/AnnotationConfigRegistry.java
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
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```
* /opt/cola/permits/1111238299_1606883014.67/0/spring-context-5-1-7-release-sources-1-
jar/org/springframework/jmx/export/metadata/ManagedOperation.java
```

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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
/**
 * Indicates that a component is only eligible for registration when all
 * { @linkplain #value specified conditions } match.
 *
 * <p>A <em>condition</em> is any state that can be determined programmatically
 * before the bean definition is due to be registered (see { @link Condition } for details).
 *
 *
 * <p>The { @code @Conditional } annotation may be used in any of the following ways:
 * <ul>
 * <li>as a type-level annotation on any class directly or indirectly annotated with
 * { @code @Component }, including { @link Configuration @Configuration } classes</li>
 * <li>as a meta-annotation, for the purpose of composing custom stereotype
 * annotations</li>
 * <li>as a method-level annotation on any { @link Bean @Bean } method</li>
 * </ul>
 *
 * <p>If a { @code @Configuration } class is marked with { @code @Conditional },
 * all of the { @code @Bean } methods, { @link Import @Import } annotations, and
 * { @link ComponentScan @ComponentScan } annotations associated with that
 * class will be subject to the conditions.
 *
 * <p><strong>NOTE</strong>: Inheritance of { @code @Conditional } annotations
 * is not supported; any conditions from superclasses or from overridden
 * methods will not be considered. In order to enforce these semantics,
 * { @code @Conditional } itself is not declared as
 * { @link java.lang.annotation.Inherited
 * @Inherited }; furthermore, any
 * custom <em>composed annotation</em> that is meta-annotated with
 * { @code @Conditional } must not be declared as { @code @Inherited }.
 *
 *
```

\* @author Phillip Webb  
\* @author Sam Brannen  
\* @since 4.0  
\* @see Condition  
\*/

Found in path(s):

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/annotation/Conditional.java  
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\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/context/LifecycleProcessor.java  
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\*/  
/\*\*

- \* { @link FactoryBean } that obtains a WebSphere { @link javax.management.MBeanServer }
- \* reference through WebSphere's proprietary { @code AdminServiceFactory } API,
- \* available on WebSphere 5.1 and higher.
- \*
- \* <p>Exposes the { @code MBeanServer } for bean references.
- \* This FactoryBean is a direct alternative
- to { @link MBeanServerFactoryBean },
- \* which uses standard JMX 1.2 API to access the platform's MBeanServer.
- \*
- \* <p>See the javadocs for WebSphere's
- \* <a href="https://bit.ly/UzccDt">{ @code AdminServiceFactory }</a>
- \* and <a href="https://bit.ly/TRIX2r">{ @code MBeanFactory }</a>.
- \*
- \* @author Juergen Hoeller
- \* @author Rob Harrop
- \* @since 2.0.3
- \* @see javax.management.MBeanServer
- \* @see MBeanServerFactoryBean
- \*/

Found in path(s):

\* /opt/cola/permits/1111238299\_1606883014.67/0/spring-context-5-1-7-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

# 1.740 mapstruct 1.0.0.Final

## 1.740.1 Available under license :

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freemarker/ext/jsp/web-jsptaglibrary\_1\_1.dtd  
freemarker/ext/jsp/web-jsptaglibrary\_1\_2.dtd  
freemarker/ext/jsp/web-jsptaglibrary\_2\_0.xsd  
freemarker/ext/jsp/web-jsptaglibrary\_2\_1.xsd

## 1.741 xstream 1.4.12

### 1.741.1 Available under license :

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Manifest-Version: 1.0  
Archiver-Version: Plexus Archiver  
Created-By: Apache Maven Bundle Plugin  
Built-By: joehni  
Build-Jdk: 1.8.0\_222  
Specification-Title: XStream Core  
Specification-Vendor: XStream  
Implementation-Title: XStream Core  
Implementation-Version: 1.4.12  
Implementation-Vendor-Id: com.thoughtworks.xstream  
Implementation-Vendor: XStream  
Bundle-License: BSD-3-Clause  
Specification-Version: 1.4  
X-Build-Os: Linux  
X-Build-Time: 2020-04-12T17:17:04Z  
X-Builder: Maven 3.6.2  
X-Compile-Source: 1.4  
X-Compile-Target: 1.4  
Bnd-LastModified: 1586711859322  
Bundle-Description: XStream is a serialization library from Java objects to XML and back.  
Bundle-DocURL: <http://x-stream.github.io>  
Bundle-ManifestVersion: 2  
Bundle-Name: XStream Core  
Bundle-SymbolicName: xstream  
Bundle-Vendor: XStream  
Bundle-Version: 1.4.12  
Export-Package: com.thoughtworks.xstream;version="1.4.12",com.thoughtworks.xstream.annotations;version="1.4.12",com.thoughtworks.xstream.converters;version="1.4.12",com.thoughtworks.xstream.converters.basic;version="1.4.12",com.thoughtworks.xstream.converters.collections;version="1.4.12",com.thoughtworks.xstream.converters.enums;version="1.4.12",com.thoughtworks.xstream.converters.extended;version="1.4.12",com.t

houghtworks.xstream.converters.javabean;version="1.4.12",com.thoughtworks.xstream.converters.reflection;version="1.4.12",com.thoughtworks.xstream.converters.time;version="1.4.12",com.thoughtworks.xstream.core;version="1.4.12",com.thoughtworks.xstream.io;version="1.4.12",com.thoughtworks.xstream.io.binary;version="1.4.12",com.thoughtworks.xstream.io.copy;version="1.4.12",com.thoughtworks.xstream.io.json;version="1.4.12",com.thoughtworks.xstream.io.naming;version="1.4.12",com.thoughtworks.xstream.io.path;version="1.4.12",com.thoughtworks.xstream.io.xml;version="1.4.12",com.thoughtworks.xstream.io.xml.xppdom;version="1.4.12",com.thoughtworks.xstream.mapper;version="1.4.12",com.thoughtworks.xstream.persistence;version="1.4.12",com.thoughtworks.xstream.security;version="1.4.12"

Import-Package: org.xmlpull.mxp1;resolution:=optional,org.xmlpull.v1;resolution:=optional,com.ibm.xml.xpath.api.stax;resolution:=optional,com.sun.xml.internal.stream;resolution:=optional,javax.activation;resolution:=optional,javax.security.auth;resolution:=optional,javax.swing;resolution:=optional,javax.swing.plaf;resolution:=optional,javax.xml.bind;resolution:=optional;version="[2.3,3)",javax.xml.datatype;resolution:=optional,javax.xml.namespace;resolution:=optional,javax.xml.parsers;resolution:=optional,javax.xml.stream;resolution:=optional,javax.xml.transform;resolution:=optional,javax.xml.transform.sax;resolution:=optional,javax.xml.transform.stream;resolution:=optional,org.xml.sax;resolution:=optional,org.xml.sax.helpers;resolution:=optional,sun.misc;resolution:=optional,com.bea.xml.stream;resolution:=optional,com.ctc.wstx.stax;resolution:=optional,net.sf.cglib.proxy;resolution:=optional,nu.xom;resolution:=optional,org.codehaus.jettison;version="[1.2,2)";resolution:=optional,org.codehaus.jettison.mapped;version="[1.2,2)";resolution:=optional,org.dom4j;resolution:=optional,org.dom4j.io;resolution:=optional,org.dom4j.tree;resolution:=optional,org.jdom;resolution:=optional,org.jdom.input;resolution:=optional,org.jdom2;resolution:=optional,org.jdom2.input;resolution:=optional,org.joda.time;version="[1.6,2)";resolution:=optional,org.joda.time.format;version="[1.6,2)";resolution:=optional,org.kxml2.io;resolution:=optional,org.w3c.dom;resolution:=optional

JAVA\_1\_4\_HOME: /opt/blackdown-jdk-1.4.2.03

JAVA\_1\_5\_HOME: /opt/sun-jdk-1.5.0.22

JAVA\_1\_6\_HOME: /opt/sun-jdk-1.6.0.45

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JAVA\_9\_HOME: /opt/oracle-jdk-bin-9.0.4

Tool: Bnd-2.4.1.201501161923

Found in path(s):

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/opt/cola/permits/1111258596\_1606889656.07/0/xstream-1-4-12-jar/META-INF/MANIFEST.MF

No license file was found, but licenses were detected in source scan.

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Created on 29. July 2006 by Mauro Talevi

Found in path(s):

\* /opt/cola/permits/1111258596\_1606889656.07/0/xstream-1-4-12-jar/META-INF/maven/com.thoughtworks.xstream/xstream/pom.xml

# 1.742 spring-boot 2.1.10.RELEASE

## 1.742.1 Available under license :

No license file was found, but licenses were detected in source scan.

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\*/

Found in path(s):

\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/servlet/ServletComponentRegisteringPostProcessor.java

\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jdbc/XADataSourceWrapper.java

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/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/tomcat/TldSkipPatterns.java

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 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/event/SpringApplicationEvent.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jdbc/SchemaManagementProvider.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jta/bitronix/BitronixXAConnectionFactoryWrapper.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/info/package-info.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/security/servlet/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/annotation/UserConfigurations.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/BindContext.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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jar/org/springframework/boot/ApplicationRunner.java
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/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/WebServletHandler.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/convert/DurationUnit.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/metadata/AbstractDataSourcePoolMetadata.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/ConfigurationPropertySources.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/filter/package-info.java
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jar/org/springframework/boot/StartupInfoLogger.java
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/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/task/TaskExecutorBuilder.java
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/SpringApplicationBannerPrinter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/origin/OriginProvider.java
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jar/org/springframework/boot/context/properties/bind/handler/IgnoreErrorsBindHandler.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/annotation/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/DataSourceUnwrapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/JavaBeanBinder.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/MultipartConfigFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/info/InfoProperties.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/ConnectorStartFailedException.java
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/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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jar/org/springframework/boot/system/ApplicationPid.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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jar/org/springframework/boot/context/properties/bind/validation/OriginTrackedFieldError.java
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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jar/org/springframework/boot/diagnostics/analyzer/NoSuchMethodFailureAnalyzer.java

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\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/ansi/package-info.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/origin/Origin.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/reactive/error/ErrorWebExceptionHandler.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/validation/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/source/ConfigurationPropertySourcesPropertySource.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/origin/SystemEnvironmentOrigin.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/cloud/CloudFoundryVcapEnvironmentPostProcessor.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/SpringBootExceptionHandlerReporter.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/LogFile.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/log4j2/package-info.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/servlet/filter/OrderedRequestContextFilter.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/task/TaskSchedulerBuilder.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/source/InvalidConfigurationPropertyNameException.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/log4j2/WhitespaceThrowablePatternConverter.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

jar/org/springframework/boot/web/servlet/error/ErrorController.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/logging/AbstractLoggingSystem.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/embedded/tomcat/TomcatConnectorCustomizer.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/context/event/ApplicationFailedEvent.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/servlet/filter/ApplicationContextHeaderFilter.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/logging/java/JavaLoggingSystem.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/diagnostics/analyzer/BeanNotOfRequiredTypeFailureAnalyzer.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/embedded/tomcat/CompressionConnectorCustomizer.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/codec/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/embedded/tomcat/TomcatErrorPage.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/context/event/ApplicationPreparedEvent.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/logging/logback/DebugLogbackConfigurator.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/server/ErrorPageRegistrar.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/servlet/WebFilterHandler.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/servlet/server/ServletWebServerFactory.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/convert/DataSizeUnit.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/system/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/origin/OriginTrackedValue.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/jackson/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/embedded/undertow/FileSessionPersistence.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/web/reactive/filter/OrderedWebFilter.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
jar/org/springframework/boot/ansi/AnsiColors.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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jar/org/springframework/boot/web/reactive/server/ReactiveWebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/info/GitProperties.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/jetty/JettyServletWebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/server/ConfigurableReactiveWebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/SpringIterableConfigurationPropertySource.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jackson/JsonObjectDeserializer.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/server/ErrorHandlerRegistrarBeanPostProcessor.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/context/XmlServletWebServerApplicationContext.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/netty/SslServerCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/diagnostics/LoggingFailureAnalysisReporter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/error/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/package-info.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/convert/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/filter/OrderedCharacterEncodingFilter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/jetty/JettyHandlerWrappers.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/LazySessionIdGenerator.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/validation/ValidationBindHandler.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/support/ServletContextApplicationContextInitializer.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/EnableConfigurationProperties.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/ServletContextInitializer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/server/WebServerFactoryCustomizerBeanPostProcessor.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/SslConnectorCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/ServletRegistrationBean.java

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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/AbstractFilterRegistrationBean.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/client/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/convert/Delimiter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/SpringApplicationRunListener.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/diagnostics/analyzer/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/SessionStoreDirectory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/DatabaseDriver.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/metadata/HikariDataSourcePoolMetadata.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ExitCodeGenerator.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/SpringConfigurationPropertySource.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/ConfigurationProperties.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/TomcatStarter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/UnboundElementsSourceFilter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/TomcatEmbeddedWebappClassLoader.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/webservices/client/WebServiceTemplateCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/Jsp.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/event/ApplicationStartingEvent.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindingPostProcessorRegistrar.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/java/SimpleFormatter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/TomcatReactiveWebServerFactory.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/system/ApplicationHome.java

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\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/netty/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/ansi/AnsiElement.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/json/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/server/WebServerFactoryCustomizer.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/PlaceholdersResolver.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/reactive/context/ConfigurableReactiveWebApplicationContext.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/logback/LogbackLoggingSystem.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/undertow/UndertowServletWebServer.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jta/atomikos/AtomikosDataSourceBean.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/tomcat/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/reactive/context/AnnotationConfigReactiveWebApplicationContext.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jta/atomikos/AtomikosProperties.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/servlet/view/MustacheViewResolver.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/jetty/JettyReactiveWebServerFactory.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/jetty/JettyEmbeddedWebAppContext.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/server/Http2.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/undertow/UndertowWebServer.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/embedded/tomcat/TomcatEmbeddedContext.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/EnableConfigurationPropertiesImportSelector.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/source/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/logback/WhitespaceThrowableProxyConverter.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/log4j2/ColorConverter.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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jar/org/springframework/boot/context/properties/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/client/RootUriTemplateHandler.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/context/ServerPortInfoApplicationContextInitializer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/json/JacksonJsonParser.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/server/WebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ansi/AnsiBackground.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ansi/AnsiOutput.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/event/ApplicationContextInitializedEvent.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/handler/package-info.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/log4j2/ExtendedWhitespaceThrowablePatternConverter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/error/ErrorAttributes.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/logback/DefaultLogbackConfiguration.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/BeanDefinitionLoader.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/context/ServletWebServerInitializedEvent.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/context/AnnotationConfigReactiveWebServerApplicationContext.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/context/ReactiveWebServerInitializedEvent.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/jetty/ForwardHeadersCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/AbstractServletWebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/logback/ExtendedWhitespaceThrowableProxyConverter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/WebApplicationType.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/support/SpringBootServletInitializer.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/Banner.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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jar/org/springframework/boot/ansi/AnsiStyle.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/diagnostics/analyzer/UnboundConfigurationPropertyFailureAnalyzer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/env/SystemEnvironmentPropertySourceEnvironmentPostProcessor.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/diagnostics/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/ConfigurationPropertyName.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/tomcat/TomcatContextCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/env/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/handler/NoUnboundElementsBindHandler.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/event/ApplicationReadyEvent.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/type/classreading/ConcurrentReferenceCachingMetadataReaderFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/json/YamlJsonParser.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/RegistrationBean.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/convert/StringToDurationConverter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/PropertyMapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ExitCodeGenerators.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/function/client/WebClientCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/context/FilteredReactiveWebContextResource.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/ConfigurableServletWebServerFactory.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/bitronix/PoolingConnectionFactoryBean.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/atomikos/AtomikosXAConnectionFactoryWrapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/bitronix/BitronixDependentBeanFactoryPostProcessor.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/logback/SpringPropertyAction.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/bitronix/PoolingDataSourceBean.java

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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/SpringBootVersion.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/orm/jpa/hibernate/SpringJtaPlatform.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/DataSourceInitializationMode.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/ContextIdApplicationContextInitializer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/EmbeddedDatabaseConnection.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jackson/JsonObjectSerializer.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ClearCachesApplicationListener.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/PropertyMapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/liquibase/SpringPackageScanClassResolver.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/context/ReactiveWebServerApplicationContext.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/BindResult.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ImageBanner.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/convert/DelimitedStringToCollectionConverter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/source/MapConfigurationPropertySource.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/json/BasicJsonParser.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/DispatcherType.java

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\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/json/JsonParseException.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
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 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
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 jar/org/springframework/boot/context/annotation/Configurations.java  
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 jar/org/springframework/boot/context/event/ApplicationStartedEvent.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/context/properties/bind/Binder.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/jms/XAConnectionFactoryWrapper.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/jta/atomikos/AtomikosXADataSourceWrapper.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/web/embedded/undertow/SslBuilderCustomizer.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/orm/jpa/hibernate/SpringPhysicalNamingStrategy.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/logging/logback/SpringProfileAction.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/web/server/ErrorResponse.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/env/OriginTrackedPropertiesLoader.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/ApplicationArguments.java  
 \*  
 /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/logging/logback/SpringBootJoranConfigurator.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/json/JsonParserFactory.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/context/FileEncodingApplicationListener.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/CommandLineRunner.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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jar/org/springframework/boot/context/logging/LoggingApplicationListener.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/LogLevel.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/context/GenericReactiveWebApplicationContext.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/logback/package-info.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jta/bitronix/BitronixXADataSourceWrapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/bind/validation/BindValidationException.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/reactive/filter/OrderedHiddenHttpMethodFilter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/task/TaskSchedulerCustomizer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/json/GsonJsonParser.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/netty/NettyReactiveWebServerFactory.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/filter/OrderedHiddenHttpMethodFilter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/builder/ParentContextCloserApplicationListener.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindHandlerAdvisor.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/server/StaticResourceJars.java
*
/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/logging/LoggerConfiguration.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/system/JavaVersion.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/embedded/jetty/JettyEmbeddedErrorHandler.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/diagnostics/analyzer/BindFailureAnalyzer.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/context/TypeExcludeFilter.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/ExitCodeExceptionMapper.java
* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/jdbc/metadata/DataSourcePoolMetadata.java
*

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/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/source/SystemEnvironmentPropertyMapper.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/validation/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/servlet/support/ErrorHandler.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/env/OriginTrackedMapPropertySource.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jackson/JsonComponentModule.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/ResourceBanner.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/UnboundConfigurationPropertiesException.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/config/ConfigFileApplicationListener.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/reactive/server/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/origin/TextResourceOrigin.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/ConfigurationPropertiesBinder.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/MapBinder.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/ansi/AnsiColor.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jta/atomikos/package-info.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/reactive/context/StandardReactiveWebEnvironment.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/logging/Slf4JLoggingSystem.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/context/properties/bind/PropertySourcesPlaceholdersResolver.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/jdbc/AbstractDataSourceInitializer.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/convert/ArrayToDelimitedStringConverter.java  
\*  
/opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/web/servlet/support/ErrorHandlerConfiguration.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/SpringApplicationRunListeners.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/org/springframework/boot/admin/SpringApplicationAdminMXBean.java  
\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-

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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
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 jar/org/springframework/boot/EnvironmentConverter.java  
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 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/web/embedded/undertow/UndertowBuilderCustomizer.java  
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 jar/org/springframework/boot/jdbc/package-info.java  
 \* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-  
 jar/org/springframework/boot/env/YamlPropertySourceLoader.java  
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 jar/org/springframework/boot/web/embedded/undertow/JarResourceManager.java  
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 jar/org/springframework/boot/web/servlet/filter/OrderedFormContentFilter.java

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/opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
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jar/org/springframework/boot/type/classreading/package-info.java
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\* /opt/cola/permits/1111322644\_1606901300.68/0/spring-boot-2-1-10-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot/pom.xml  
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*/
/**
* A {@link WebApplicationContext} that can be used to bootstrap itself from a contained
* {@link ServletWebServerFactory} bean.
* <p>
* This context will create, initialize and run an {@link WebServer} by searching for a
* single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
* itself. The {@link ServletWebServerFactory} is free to use standard Spring concepts
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* <p>
* In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the {@link ServletContextInitializer} interface (most often
* {@link ServletRegistrationBean}s and/or {@link FilterRegistrationBean}s). To prevent
* double registration, the use of {@link ServletContextInitializer} beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* {@link AnnotationConfigServletWebServerApplicationContext} or
* {@link XmlServletWebServerApplicationContext} variants.
*
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

```

Found in path(s):

```

* /opt/cola/permits/1111322644_1606901300.68/0/spring-boot-2-1-10-release-sources-1-
jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java

```

## 1.743 klauspost-compress 1.4.1

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For the following XML

Schemas for Java EE Deployment Descriptors:

- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
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The original XML Schemas for Java EE Deployment Descriptors:

- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
- web-common\_4\_0.xsd
- web-fragment\_4\_0.xsd

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd

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# 1.748 x-time-rate 3.2.17+dfsg-1

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Data model artifacts for Prometheus.

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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# 1.752 python 2.7.15~rc1-1

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

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### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from        | Year    | Owner | GPL-compatible? (1) |
|----------------|---------------------|---------|-------|---------------------|
| 0.9.0 thru 1.2 | 1991-1995 CWI       | yes     |       |                     |
| 1.3 thru 1.5.2 | 1.2 1995-1999 CNRI  | yes     |       |                     |
| 1.6            | 1.5.2 2000 CNRI     | no      |       |                     |
| 2.0            | 1.6 2000 BeOpen.com | no      |       |                     |
| 1.6.1          | 1.6 2001 CNRI       | yes (2) |       |                     |
| 2.1            | 2.0+1.6.1 2001 PSF  | no      |       |                     |
| 2.0.1          | 2.0+1.6.1 2001 PSF  | yes     |       |                     |
| 2.1.1          | 2.1+2.0.1 2001 PSF  | yes     |       |                     |
| 2.2            | 2.1.1 2001 PSF      | yes     |       |                     |
| 2.1.2          | 2.1.1 2002 PSF      | yes     |       |                     |
| 2.1.3          | 2.1.2 2002 PSF      | yes     |       |                     |
| 2.2.1          | 2.2 2002 PSF        | yes     |       |                     |
| 2.2.2          | 2.2.1 2002 PSF      | yes     |       |                     |
| 2.2.3          | 2.2.2 2003 PSF      | yes     |       |                     |
| 2.3            | 2.2.2 2002-2003 PSF | yes     |       |                     |
| 2.3.1          | 2.3 2002-2003 PSF   | yes     |       |                     |
| 2.3.2          | 2.3.1 2002-2003 PSF | yes     |       |                     |
| 2.3.3          | 2.3.2 2002-2003 PSF | yes     |       |                     |
| 2.3.4          | 2.3.3 2004 PSF      | yes     |       |                     |
| 2.3.5          | 2.3.4 2005 PSF      | yes     |       |                     |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 2.4   | 2.3   | 2004 | PSF | yes |
| 2.4.1 | 2.4   | 2005 | PSF | yes |
| 2.4.2 | 2.4.1 | 2005 | PSF | yes |
| 2.4.3 | 2.4.2 | 2006 | PSF | yes |
| 2.4.4 | 2.4.3 | 2006 | PSF | yes |
| 2.5   | 2.4   | 2006 | PSF | yes |
| 2.5.1 | 2.5   | 2007 | PSF | yes |
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| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
| 2.6   | 2.5   | 2008 | PSF | yes |
| 2.6.1 | 2.6   | 2008 | PSF | yes |
| 2.6.2 | 2.6.1 | 2009 | PSF | yes |
| 2.6.3 | 2.6.2 | 2009 | PSF | yes |
| 2.6.4 | 2.6.3 | 2009 |     |     |
|       | PSF   | yes  |     |     |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |

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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/io/ContextResource.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/io/support/ResourcePatternResolver.java  
\*  
/opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/style/ValueStyler.java

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```
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 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/type/classreading/MetadataReader.java
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Found in path(s):

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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/ConfigurableConversionService.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/env/SimpleCommandLineArgsParser.java
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```

```
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Found in path(s):

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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/task/AsyncTaskExecutor.java  
\*  
/opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/StaxSource.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/env/Environment.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/Constants.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/lang/UsesSunHttpServer.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/env/EnumerablePropertySource.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/StaxEventHandler.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/GenericTypeResolver.java  
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/opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/env/PropertySources.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/env/Profiles.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/codec/ByteBufferEncoder.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/type/classreading/AnnotationMetadataReadingVisitor.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/Assert.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-

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jar/org/springframework/util/comparator/NullSafeComparator.java
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/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/io/support/PropertiesLoaderSupport.java

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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/util/FastByteArrayOutputStream.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/io/ResourceLoader.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/io/PathResource.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/util/concurrent/SuccessCallback.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
*
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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*
/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/annotation/AnnotatedElementUtils.java

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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/ConcurrencyThrottleSupport.java  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/MethodIntrospector.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/concurrent/ListenableFutureCallback.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/ReactiveAdapter.java  
 \*  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/AbstractStaxXMLReader.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/io/support/ResourceRegion.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/backoff/FixedBackOff.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/env/ConfigurableEnvironment.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/ListBasedXMLEventReader.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/MultiValueMap.java  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/concurrent/DelegatingCompletableFuture.java  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-



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jar/org/springframework/util/SystemPropertyUtils.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
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* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/MethodParameter.java

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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/XMLStreamReader.java  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/NamedThreadLocal.java  
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 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/codec/ResourceDecoder.java  
 \* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/io/support/LocalizedResourceHelper.java  
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jar/org/springframework/cglib/proxy/MethodProxy.java  
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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-  
jar/org/springframework/asm/Context.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-  
jar/org/springframework/asm/Edge.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-  
jar/org/springframework/asm/MethodTooLargeException.java

```
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/Constants.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/Frame.java
```

```
*
/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/Label.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/ClassVisitor.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/Handle.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/asm/ClassReader.java
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jar/org/springframework/core/convert/support/StringToCollectionConverter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/ObjectToStringConverter.java
```

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*
/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/PropertiesToStringConverter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/env/MapPropertySource.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/cglib/SpringCglibInfo.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
```



```
jar/org/springframework/cglib/core/SpringNamingPolicy.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
*
/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
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jar/org/springframework/core/env/PropertiesPropertySource.java
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jar/org/springframework/util/xml/StaxStreamHandler.java
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jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
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jar/org/springframework/util/ExceptionTypeFilter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/converter/ConditionalConverter.java
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\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/task/support/ConcurrentExecutorAdapter.java  
\*  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/io/ClassRelativeResourceLoader.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/style/DefaultValueStyler.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/task/TaskRejectedException.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/util/xml/SimpleTransformErrorListener.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/serializer/support/SerializationFailedException.java  
\* /opt/cola/permits/1114591872\_1607563495.65/0/spring-core-5-1-7-release-sources-2-jar/org/springframework/core/type/classreading/MetadataReaderFactory.java

```
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/task/TaskTimeoutException.java
*
/opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/style/StylerUtils.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/SmartClassLoader.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/convert/support/NumberToCharacterConverter.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/util/xml/SimpleSaxErrorHandler.java
* /opt/cola/permits/1114591872_1607563495.65/0/spring-core-5-1-7-release-sources-2-
jar/org/springframework/core/InfrastructureProxy.java
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\*

/opt/cola/permits/1114844475\_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/CascadableDescriptor.java

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\* /opt/cola/permits/1114844475\_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/OverridesAttribute.java  
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\* /opt/cola/permits/1114844475\_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/PropertyDescriptor.java  
\* /opt/cola/permits/1114844475\_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/TraversableResolver.java  
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Found in path(s):



\* /opt/cola/permits/1114844475\_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/ExecutableDescriptor.java

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```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ElementKind.java
```

```
*
 /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/executable/ExecutableType.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/executable/ExecutableValidator.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/metadata/ReturnValueDescriptor.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/executable/ValidateOnExecution.java
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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintViolation.java
*
/opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/constraints/DecimalMax.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/groups/package-info.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintValidatorContext.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/Path.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/Validator.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ReportAsSingleViolation.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/MessageInterpolator.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/metadata/BeanDescriptor.java
*
/opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/constraints/DecimalMin.java
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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintViolationException.java
*
/opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/spi/ConfigurationState.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintValidatorFactory.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ValidatorContext.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/groups/ConvertGroup.java
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-\*- org -\*-

#+TITLE: List of code with permissive licenses as used by GnuPG.

#+STARTUP: showall

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## 1.761 glibc 2.27-3ubuntu1.3

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\*

/opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/metadata/ReturnValueDescriptor.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/ElementKind.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/executable/ExecutableType.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/executable/ValidateOnExecution.java

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\*

/opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/spi/package-info.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/constraints/package-info.java

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\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/constraintvalidation/ValidationTarget.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/executable/package-info.java

\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-

jar/javax/validation/metadata/GroupConversionDescriptor.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
jar/javax/validation/metadata/package-info.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
jar/javax/validation/constraintvalidation/SupportedValidationTarget.java  
\*  
/opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
jar/javax/validation/constraintvalidation/package-info.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
jar/javax/validation/bootstrap/package-info.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
jar/javax/validation/package-info.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-  
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\*  
/opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/UnexpectedTypeException.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/spi/ValidationProvider.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/ConstraintValidator.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/constraints/Digits.java  
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\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/TraversableResolver.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/constraints/Past.java  
\* /opt/cola/permits/1117913882\_1608231133.16/0/validation-api-1-1-0-final-sources-6-jar/javax/validation/ValidationException.java  
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jar/javax/validation/metadata/PropertyDescriptor.java
*
/opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/Validation.java
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jar/javax/validation/constraints/Null.java
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jar/javax/validation/Valid.java
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jar/javax/validation/constraints/NotNull.java
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jar/javax/validation/metadata/ElementDescriptor.java
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jar/javax/validation/constraints/Min.java
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jar/javax/validation/metadata/Scope.java
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jar/javax/validation/metadata/ConstraintDescriptor.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/Payload.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/ConstraintDefinitionException.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/ValidationProviderResolver.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/constraints/Future.java
*
/opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/bootstrap/GenericBootstrap.java
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jar/javax/validation/Path.java

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jar/javax/validation/MessageInterpolator.java
*
/opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/ConstraintValidatorContext.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/constraints/DecimalMax.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/metadata/BeanDescriptor.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/ConstraintViolation.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/Validator.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/groups/package-info.java
* /opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
jar/javax/validation/constraints/DecimalMin.java
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/opt/cola/permits/1117913882_1608231133.16/0/validation-api-1-1-0-final-sources-6-
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<signature of Ty Coon>, 1 April 1989  
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## 1.771 bcel 2.7.2

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 */
/**
 * This is a special exception that is used to stop parsing when
 * search for an element. For instance, when searching
```



```
for xml:stylesheet
* PIs, it is used to stop the parse once the document element is found.
* @see StylesheetPIHandler
* @xsl.usage internal
*/
```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/StopParseException.java
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```
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```
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jar/org/apache/xml/serializer/HTMLEntities.properties
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_text.properties
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/Encodings.properties
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/res/XSLTInfo.properties
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_xml.properties
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_unknown.properties
*
/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/XMLEntities.properties
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/Makefile.inc
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/output_html.properties
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```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/XPathLexer.java
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- \*
- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/MethodResolver.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Number.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/Extensions.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/SerializerSwitcher.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/HasPositionalPredChecker.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemUse.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/AxesWalker.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ExtendedContentHandler.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/NotEquals.java
- \*
- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/NodeCounter.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/ObjectArray.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/Constants.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/NamespaceUriCall.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Encodings.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemLiteralResult.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/AVTPartXPath.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/WalkerFactory.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/XObject.java
- \*
- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/FilterGenerator.java
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-

jar/org/apache/xpath/axes/ChildTestIterator.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xpath/patterns/ContextMatchStepPattern.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/runtime/Node.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/compiler/ElementAvailableCall.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/transformer/Counter.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/NSInfo.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/compiler/ConcatCall.java  
 \*  
 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/dom/CurrentNodeListFilter.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/templates/ElemExsltFunction.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xpath/functions/FuncGenerateId.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/DOMBuilder.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/templates/ElemWithParam.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xml/utils/res/XResources\_hy.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/compiler/util/ErrorMessageSk.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xpath/res/XPATHErrorResources\_tr.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/XMLChar.java  
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 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xpath/functions/FuncBoolean.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xml/serializer/SerializerFactory.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xalan/xsltc/compiler/util/ErrorMessageEs.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xpath/objects/XMLStringFactoryImpl.java  
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 jar/org/apache/xalan/xsltc/compiler/util/StringType.java  
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 jar/org/apache/xalan/res/XSLTErrorsResources\_zh\_CN.java  
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 jar/org/apache/xalan/processor/XSLTElementProcessor.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/RealType.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/RtMethodGenerator.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/Equals.java  
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 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerImpl.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessage\_no.java  
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 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/OpCodes.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/CollatorFactoryBase.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/BoolStack.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/ConnectionPool.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessage\_zh\_TW.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/XBoolean.java  
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 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/Function2Args.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/Hashtree2Node.java

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/dom3/DOMConstants.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources\_pl.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncCurrent.java  
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jar/org/apache/xml/serializer/ToXMLStream.java
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/Translet.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/functions/FuncUnparsedEntityURI.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-

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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
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jar/org/apache/xalan/xsltc/compiler/WithParam.java
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/ExsltMath.java
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/Process.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/XMLCharacterRecognizer.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/operations/Number.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-

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jar/org/apache/xpath/functions/ObjectFactory.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
 jar/org/apache/xml/res/XMLErrorResources\_ko.java  
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 jar/org/apache/xpath/res/XPATHErrorResources\_zh\_CN.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
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 jar/org/apache/xalan/transformer/DecimalToRoman.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/XML11Char.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
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 jar/org/apache/xalan/xsltc/runtime/ErrorMessage\_it.java  
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 jar/org/apache/xalan/xsltc/compiler/util/NodeType.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-

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jar/org/apache/xalan/extensions/SecuritySupport.java
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/XPathException.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/XNull.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/IteratorPool.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/util/MatchGenerator.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/runtime/ErrorMessage_sl.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/axes/SelfIteratorNoPredicate.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/runtime/ObjectFactory.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/XUnresolvedVariableSimple.java
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/XslElement.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/Choose.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/dtm/ref/DTMDocumentImpl.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-

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jar/org/apache/xalan/transformer/TransformerClient.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/ThreadControllerWrapper.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/transformer/TreeWalker2Result.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/utils/res/XResources_it.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/ElemValueOf.java
*
/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/dtm/ref/DTMStringPool.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/CastCall.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/ProcessorKey.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/res/XPATHErrorResources_sk.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/Util.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/Bool.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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jar/org/apache/xpath/res/XPATHErrorResources_ru.java
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/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/res/XMLErrorResources_es.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/SerializerTraceWriter.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/SAXImpl.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/EmptyFilter.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/KeyIndex.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xml/serializer/EmptySerializer.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/res/XPATHErrorResources_ja.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/runtime/ErrorMessage_ko.java
*
/opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/runtime/ErrorMessage_ca.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/Sort.java

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\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessage\_pl.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/ParentPattern.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Serializer.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources\_es.java  
 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/CustomStringPool.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/IntVector.java  
 \*  
 /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ObjectFactory.java  
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 \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/TransletOutput.java  
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\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/compiler/ContainsCall.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xml/dtm/ref/DTMSafeStringPool.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/jaxp/JAXPPrefixResolver.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-

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jar/org/apache/xalan/lib/sql/XConnection.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
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\*  
/opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/ExpressionVisitor.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/Utils/res/XResources\_ko.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Include.java

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```

```
*/
```

```
/**
```

```
* Major version number.
* Version number. This changes only when there is a
* significant, externally apparent
enhancement from
* the previous release. 'n' represents the n'th
* version.
*
* Clients should carefully consider the implications
* of new versions as external interfaces and behaviour
* may have changed.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.java
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.java
```

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.java
```

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```
/*
```

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```

```
*/
```

```
/*
```

```
* $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
```

```
*/
```

```

/*
 * @author Jacek Ambroziak
 * @author
 Santiago Pericas-Geertsen
 * @author Morten Jorgensen
 * @author G. Todd Miller
 */

package org.apache.xalan.xsltc.compiler;

import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;

import org.apache.xml.dtm.DTM;
import org.apache.xalan.xsltc.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xsltc.runtime.Operators;
import org.apache.xalan.xsltc.compiler.util.ErrorMsg;

parser code {
  /**
   * Used by function calls with no args.
   */
  static public final Vector EmptyArgs = new Vector(0);

  /**
   * Reference to non-existing variable.
   */
  static public final VariableRef DummyVarRef = null;

  /**
   * Reference to the Parser class.
   */
  private Parser _parser;
  private XSLTC _xsltc;

  /**
   * String representation of the expression being parsed.
   */
  private String _expression;

  /**
   * Line number where this expression/pattern
   was declared.
   */

```

```

private int _lineNumber = 0;

/**
 * Reference to the symbol table.
 */
public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xslt = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

public void setMultiDocument(boolean flag) {
    _xslt.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xslt.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xslt.setHasIdCall(flag);
}

/**
 * This
method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
 * patterns are expanded as "[namespace-uri() = 'uri']" and
 * "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).

```

```

*/
public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
int nodeType;

if (test == null) { // "*"
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;

    return new StepPattern(axis, nodeType, predicates);
    }
    else if (test instanceof Integer) {
nodeType = ((Integer) test).intValue();

return new StepPattern(axis, nodeType, predicates);
    }
    else {
QName name = (QName)test;
boolean setPriority = false;

if (axis == Axis.NAMESPACE) {
nodeType = (name.toString().equals("*")) ? -1
: _xsltC.registerNamespacePrefix(name);;
    }
    else {
final String uri = name.getNamespace();
final String local = name.getLocalPart();
final QName namespace_uri =
    _parser.getQNameIgnoreDefaultNs("namespace-uri");

// Expand {uri}:* to *[namespace-uri()='uri'] - same for @*
if (uri != null && (local.equals("") || local.equals("@*"))) {
    if (predicates == null) {
predicates = new Vector(2);
    }

// Priority is set by hand if no other predicates exist
setPriority = (predicates.size() == 0);

    predicates.add(
new Predicate(
    new EqualityExpr(Operators.EQ,
new NamespaceUriCall(namespace_uri),
new LiteralExpr(uri))););
    }

if (local.equals(""))

```

```

{
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
: NodeTest.ELEMENT;
}
else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
}
else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
}
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

// Set priority for case prefix:* and prefix:@* (no predicates)
if (setPriority) {
result.setPriority(-0.25);
}

return result;
}
}

public int findNodeType(int axis, Object test) {
if (test == null) { // *
    return (axis == Axis.ATTRIBUTE) ?
NodeTest.ATTRIBUTE :
(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
}
else if (test instanceof Integer) {
    return ((Integer)test).intValue();
}
else {
    QName name = (QName)test;

    if (axis == Axis.NAMESPACE) {
return (name.toString().equals("*"))
? -1
: _xsltc.registerNamespacePrefix(name);
}

    if (name.getNamespace() == null) {
final String local = name.getLocalPart();

if (local.equals("*")) {
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
: NodeTest.ELEMENT;
}
}
}
}

```

```

}
else if (local.equals("@*")) {
    return NodeTest.ATTRIBUTE;
}
}

return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
}
}

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 *
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
        return(result);
    else

```

```

    return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMsg error) {
_parser.reportError(Constants.ERROR,
error);
}

public void report_error(String message, Object info) {
final ErrorMsg err = new ErrorMsg(ErrorMsg.SYNTAX_ERR, _lineNumber,
_expression);
_parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
// empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
if (rlp instanceof Step) {
return new ParentLocationPath(step, (Step) rlp);
}
else if (rlp instanceof ParentLocationPath) {
final ParentLocationPath plp = (ParentLocationPath) rlp;
final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
return new ParentLocationPath(newrlp, plp.getStep());
}
else {
addError(new ErrorMsg(ErrorMsg.INTERNAL_ERR, "XPathParser.insertStep"));
return rlp;
}
}

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant
result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}
:}

```

```

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;

```

terminal EQ, NE;  
terminal LT, GT, LE, GE;  
terminal PLUS, MINUS, DIV, MOD, MULT;  
terminal String Literal;  
terminal String QNAME;  
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;  
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;  
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;  
terminal Double REAL;  
terminal Long INT;  
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;  
non terminal Expression Predicate, FilterExpr, Step;  
non  
terminal Expression OrExpr, AndExpr, EqualityExpr;  
non terminal Expression RelationalExpr, AdditiveExpr;  
non terminal Expression MultiplicativeExpr, UnaryExpr;  
non terminal Expression VariableReference, FunctionCall;  
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;  
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;  
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;  
non terminal Pattern Pattern;  
non terminal Pattern LocationPathPattern;  
non terminal StepPattern ProcessingInstructionPattern;  
non terminal RelativePathPattern RelativePathPattern;  
non terminal StepPattern StepPattern;  
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;  
non terminal QName QName, FunctionName, VariableName;  
non terminal Integer AxisName, AxisSpecifier;  
non terminal  
Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;  
precedence left OR;  
precedence left AND;  
precedence nonassoc EQ, NE;  
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;



precedence left DIV, MOD, MULT;  
precedence left DOLLAR;  
precedence left ATSIGN;  
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern  
{: RESULT = pattern; :}

| EXPRESSION Expr:expr  
{: RESULT = expr; :};

/\* ----- Patterns ----- \*/

Pattern ::= LocationPathPattern:lpp  
{: RESULT = lpp; :}

| LocationPathPattern:lpp VBAR Pattern:p  
{: RESULT = new AlternativePattern(lpp, p); :};

LocationPathPattern ::= SLASH  
{: RESULT = new AbsolutePathPattern(null); :}

| SLASH RelativePathPattern:rpp  
{: RESULT = new AbsolutePathPattern(rpp); :}

| IdKeyPattern:ikp

{: RESULT = ikp; :}

| IdKeyPattern:ikp SLASH RelativePathPattern:rpp  
{: RESULT = new ParentPattern(ikp, rpp); :}

| IdKeyPattern:ikp DSLASH RelativePathPattern:rpp  
{: RESULT = new AncestorPattern(ikp, rpp); :}

| DSLASH RelativePathPattern:rpp  
{: RESULT = new AncestorPattern(rpp); :}

| RelativePathPattern:rpp  
{: RESULT = rpp; :};

IdKeyPattern ::= ID LPAREN Literal:l RPAREN  
{: RESULT = new IdPattern(l);  
parser.setHasIdCall(true);  
:}

```
| KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
{: RESULT = new KeyPattern(l1, l2); :};
```

```
ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{: RESULT = new ProcessingInstructionPattern(l); :};
```

```
RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}
```

```
| StepPattern:sp SLASH RelativePathPattern:rpp
{: RESULT
= new ParentPattern(sp, rpp); :}
```

```
| StepPattern:sp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(sp, rpp); :};
```

```
StepPattern ::= NodeTestPattern:nt
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, null);
:}
```

```
| NodeTestPattern:nt Predicates:pp
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, pp);
:}
```

```
| ProcessingInstructionPattern:pip
{: RESULT = pip; :}
```

```
| ProcessingInstructionPattern:pip Predicates:pp
{: RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); :}
```

```
| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
{:
RESULT = parser.createStepPattern(axis.intValue(), nt, null);
:}
```

```
| ChildOrAttributeAxisSpecifier:axis
NodeTestPattern:nt Predicates:pp
{:
RESULT = parser.createStepPattern(axis.intValue(), nt, pp);
:}
```

```
| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
{:
RESULT = pip; // TODO: report error if axis is attribute
:}
```

```

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
Predicates:pp
{
  :
  // TODO: report error if axis is attribute
  RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
};

```

```

NodeTestPattern ::= NameTestPattern:nt
{ : RESULT = nt; ; }

| NODE
{ : RESULT = new Integer(NodeTest.ANODE); ; }

| TEXT
{ : RESULT = new Integer(NodeTest.TEXT); ; }

| COMMENT
{ : RESULT = new Integer(NodeTest.COMMENT); ; }

| PI
{ : RESULT = new Integer(NodeTest.PI); ; }

```

```

NameTestPattern ::= STAR
{ : RESULT = null; ; }

| QName:qn
{ : RESULT = qn; ; }

```

```

ChildOrAttributeAxisSpecifier ::= ATSIGN

{ : RESULT = new Integer(Axis.ATTRIBUTE); ; }

| CHILD DCOLON
{ : RESULT = new Integer(Axis.CHILD); ; }

| ATTRIBUTE DCOLON
{ : RESULT = new Integer(Axis.ATTRIBUTE); ; }

```

```

Predicates ::= Predicate:p
{
  :
  Vector temp = new Vector();
  temp.addElement(p);
  RESULT = temp;
  :}

| Predicate:p Predicates:pp
{ : pp.insertElementAt(p, 0); RESULT = pp; ; }

```

```

Predicate ::= LBRACK Expr:e RBRACK
  {
  RESULT = new Predicate(e);
  };

/* ----- Expressions ----- */

Expr ::= OrExpr:ex
  { RESULT = ex; };

OrExpr ::= AndExpr:ae
  { RESULT = ae; }

  | OrExpr:oe OR AndExpr:ae
  { RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); };

AndExpr ::= EqualityExpr:e
  { RESULT = e; }

  | AndExpr:ae AND EqualityExpr:ee
  { RESULT = new LogicalExpr(LogicalExpr.AND,
  ae, ee); };

EqualityExpr ::= RelationalExpr:re
  { RESULT = re; }

  | EqualityExpr:ee EQ RelationalExpr:re
  { RESULT = new EqualityExpr(Operators.EQ, ee, re); }

  | EqualityExpr:ee NE RelationalExpr:re
  { RESULT = new EqualityExpr(Operators.NE, ee, re); };

RelationalExpr ::= AdditiveExpr:ae
  { RESULT = ae; }

  | RelationalExpr:re LT AdditiveExpr:ae
  { RESULT = new RelationalExpr(Operators.LT, re, ae); }

  | RelationalExpr:re GT AdditiveExpr:ae
  { RESULT = new RelationalExpr(Operators.GT, re, ae); }

  | RelationalExpr:re LE AdditiveExpr:ae
  { RESULT = new RelationalExpr(Operators.LE, re, ae); }

  | RelationalExpr:re GE AdditiveExpr:ae
  { RESULT = new RelationalExpr(Operators.GE, re, ae); };

AdditiveExpr ::= MultiplicativeExpr:me

```

```

{: RESULT = me; :}

| AdditiveExpr:ae PLUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.PLUS,
ae, me); :}

| AdditiveExpr:ae MINUS MultiplicativeExpr:me
{: RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); :};

MultiplicativeExpr ::= UnaryExpr:ue
{: RESULT = ue; :}

| MultiplicativeExpr:me MULT UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); :}

| MultiplicativeExpr:me DIV UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); :}

| MultiplicativeExpr:me MOD UnaryExpr:ue
{: RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); :};

UnaryExpr ::= UnionExpr:ue
{: RESULT = ue; :}

| MINUS UnaryExpr:ue
{: RESULT = new UnaryOpExpr(ue); :};

UnionExpr ::= PathExpr:pe
{: RESULT = pe; :}

| PathExpr:pe VBAR UnionExpr:rest
{: RESULT = new UnionPathExpr(pe, rest); :};

PathExpr ::= LocationPath:lp
{: RESULT = lp; :}

| FilterExpr:fexp
{: RESULT = fexp; :}

| FilterExpr:fexp
SLASH RelativeLocationPath:rlp
{: RESULT = new FilterParentPath(fexp, rlp); :}

| FilterExpr:fexp DSLASH RelativeLocationPath:rlp
{:
//
// Expand '/' into '/descendant-or-self::node()' or
// into '/descendant-or-self::*'

```

```

//
int nodeType = DOM.NO_TYPE;
if (rlp instanceof Step &&
    parser.isElementAxis(((Step) rlp).getAxis()))
{
    nodeType = DTM.ELEMENT_NODE;
}
    final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
    FilterParentPath fpp = new FilterParentPath(fexp, step);
    fpp = new FilterParentPath(fpp, rlp);
    if (fexp instanceof KeyCall == false) {
        fpp.setDescendantAxis();
    }
    RESULT = fpp;
};

LocationPath ::= RelativeLocationPath:rlp
    { : RESULT = rlp; : }

    | AbsoluteLocationPath:alp
    { : RESULT = alp; : };

RelativeLocationPath ::= Step:step
    { : RESULT
= step; : }

    | RelativeLocationPath:rlp SLASH Step:step
    { :
if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
    RESULT = step;    // Remove '.' from the middle
}
else if (((Step) step).isAbbreviatedDot()) {
    RESULT = rlp;    // Remove '.' from the end
}
else {
    RESULT =
        new ParentLocationPath((RelativeLocationPath) rlp, step);
}
: }

    | AbbreviatedRelativeLocationPath:arlp
    { : RESULT = arlp; : };

AbsoluteLocationPath ::= SLASH
    { : RESULT = new AbsoluteLocationPath(); : }

    | SLASH RelativeLocationPath:rlp
    { : RESULT = new AbsoluteLocationPath(rlp); : }

```

```
| AbbreviatedAbsolutePath:aalp
{: RESULT = aalp; :};
```

```
AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DSLASH Step:step
```

```
{:
  final Step right = (Step)step;
  final
int axis = right.getAxis();
  final int type = right.getNodeType();
  final Vector predicates = right.getPredicates();

  if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
    // Compress '//child:E' into 'descendant::E' - if possible
    if (predicates == null) {
      right.setAxis(Axis.DESCEMENDANT);
      if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
        RESULT = right;
      }
      else {
        // Expand 'rlp//child::E' into 'rlp/descendant::E'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        RESULT = new ParentLocationPath(left, right);
      }
    }
    else {
      // Expand '//step' -> 'descendant-or-self::*step'
      if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {

        Step left = new Step(Axis.DESCEMENDANTORSELF,
DTM.ELEMENT_NODE, null);
        RESULT = new ParentLocationPath(left, right);
      }
      else {
        // Expand 'rlp//step' -> 'rlp/descendant-or-self::*step'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        Step mid = new Step(Axis.DESCEMENDANTORSELF,
DTM.ELEMENT_NODE, null);
        ParentLocationPath ppl = new ParentLocationPath(mid, right);
        RESULT = new ParentLocationPath(left, ppl);
      }
    }
  }
  else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::*step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCEMENDANTORSELF,
DTM.ELEMENT_NODE, null);
```

```

        ParentLocationPath ppl = new ParentLocationPath(middle, right);
        RESULT = new ParentLocationPath(left, ppl);
    }
    else {
        // Expand 'rlp//step' -> 'rlp/descendant-or-self::node()/step'
        RelativeLocationPath left = (RelativeLocationPath)rlp;
        Step middle = new Step(Axis.DESCENDANTORSELF,
        DOM.NO_TYPE, null);
        ParentLocationPath ppl = new ParentLocationPath(middle, right);
        RESULT = new ParentLocationPath(left, ppl);
    }
};

```

AbbreviatedAbsoluteLocationPath ::= DSLASH RelativeLocationPath:rlp

```

{:
    //
    // Expand '/' into '/descendant-or-self::node()' or
    // into '/descendant-or-self::*/'
    //
    int nodeType = DOM.NO_TYPE;
    if (rlp instanceof Step &&
        parser.isElementAxis(((Step) rlp).getAxis()))
    {
        nodeType = DTM.ELEMENT_NODE;
    }
    final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
    RESULT =
new AbsoluteLocationPath(parser.insertStep(step,
    (RelativeLocationPath) rlp));
};

```

Step ::= NodeTest:ntest

```

{:
    if (ntest instanceof Step) {
        RESULT = (Step)ntest;
    }
    else {
        RESULT = new Step(Axis.CHILD,
            parser.findNodeType(Axis.CHILD, ntest),
            null);
    }
};

```

| NodeTest:ntest Predicates:pp

```

{:
    if (ntest instanceof Step) {

```



```

    Step step = (Step)ntest;
    step.addPredicates(pp);
    RESULT = (Step)ntest;
  }
  else {
    RESULT = new Step(Axis.CHILD,
      parser.findNodeType(Axis.CHILD, ntest), pp);
  }
:}

```

```

| AxisSpecifier:axis NodeTest:ntest Predicates:pp
{: RESULT = new Step(axis.intValue(),
  parser.findNodeType(axis.intValue(), ntest),
  pp);
:}

```

```

| AxisSpecifier:axis NodeTest:ntest
{: RESULT = new Step(axis.intValue(),
  parser.findNodeType(axis.intValue(), ntest),
  null);
:}

```

```

| AbbreviatedStep:abbrev
{: RESULT = abbrev; :};

```

```

AxisSpecifier ::= AxisName:an DCOLON
  {: RESULT = an; :}

```

```

| ATSIGN
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

```

```

AxisName ::= ANCESTOR
  {: RESULT = new Integer(Axis.ANCESTOR); :}

```

```

| ANCESTORORSELF
{: RESULT = new Integer(Axis.ANCESTORORSELF); :}

```

```

| ATTRIBUTE
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

```

```

| CHILD
{: RESULT = new Integer(Axis.CHILD); :}

```

```

| DESCENDANT
{: RESULT = new Integer(Axis.DECENDANT); :}

```

```

| DESCENDANTORSELF
{: RESULT = new Integer(Axis.DECENDANTORSELF); :}

```

```
| FOLLOWING
{: RESULT = new
Integer(Axis.FOLLOWING); :}
```

```
| FOLLOWINGSIBLING
{: RESULT = new Integer(Axis.FOLLOWINGSIBLING); :}
```

```
| NAMESPACE
{: RESULT = new Integer(Axis.NAMESPACE); :}
```

```
| PARENT
{: RESULT = new Integer(Axis.PARENT); :}
```

```
| PRECEDING
{: RESULT = new Integer(Axis.PRECEDING); :}
```

```
| PRECEDINGSIBLING
{: RESULT = new Integer(Axis.PRECEDINGSIBLING); :}
```

```
| SELF
{: RESULT = new Integer(Axis.SELF); :};
```

```
AbbreviatedStep ::= DOT
{: RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); :}
```

```
| DDOT
{: RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); :};
```

```
FilterExpr ::= PrimaryExpr:primary
{: RESULT = primary; :}
```

```
| PrimaryExpr:primary Predicates:pp
{: RESULT = new FilterExpr(primary, pp); :};
```

```
PrimaryExpr ::= VariableReference:vr
{: RESULT = vr; :}
```

```
| LPAREN Expr:ex RPAREN
{: RESULT = ex; :}
```

```
| Literal:string
{:
```

```
/*
```

```
* If the string appears to have the syntax of a QName, store
* namespace info in the literal expression. This is used for
* element-available and function-available functions, among
```

```

* others. Also, the default namespace must be ignored.
*/
String namespace = null;
final int index = string.lastIndexOf(':');

if (index > 0) {
    final String prefix = string.substring(0, index);
    namespace = parser._symbolTable.lookupNamespace(prefix);
}
RESULT = (namespace == null) ? new LiteralExpr(string)
    : new LiteralExpr(string, namespace);
:}

| INT:num
{:
long value = num.longValue();
if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
RESULT = new RealExpr(value);
}
else {
    if (num.doubleValue() == -0)
        RESULT = new RealExpr(num.doubleValue());
    else if (num.intValue() == 0)
        RESULT = new IntExpr(num.intValue());

    else if (num.doubleValue() == 0.0)
        RESULT = new RealExpr(num.doubleValue());
    else
        RESULT = new IntExpr(num.intValue());
}
:}

| REAL:num
{: RESULT = new RealExpr(num.doubleValue()); :}

| FunctionCall:fc
{: RESULT = fc; :};

```

```

VariableReference ::= DOLLAR VariableName:varName
{:
// An empty qname prefix for a variable or parameter reference
// should map to the null namespace and not the default URI.
SyntaxTreeNode node = parser.lookupName(varName);

if (node != null) {
    if (node instanceof Variable) {
        RESULT = new VariableRef((Variable)node);
    }
}

```

```

    else if (node instanceof Param) {
        RESULT = new ParameterRef((Param)node);
    }
    else {
        RESULT = new UnresolvedRef(varName);
    }
}

if (node == null) {
    RESULT = new UnresolvedRef(varName);
}
};

```

FunctionCall ::= FunctionName:fname LPAREN RPAREN

```

{:
    if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
        RESULT = new CurrentCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
        RESULT = new BooleanExpr(true);
    }
    else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
        RESULT = new BooleanExpr(false);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
        RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
        RESULT = new StringLengthCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
        RESULT = new PositionCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {

```

```

    RESULT = new LastCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}
:}

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN
{:
if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
parser.setMultiDocument(true);
    RESULT = new DocumentCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
    RESULT = new BooleanCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {

RESULT = new NameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, argl);
}
}

```

```

else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
    parser.setHasIdCall(true);
}
else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname))
{
    RESULT = new CeilingCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname))
{
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Constants.TRANSLET_URI, "xslt", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
}

```

```

    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
:};

```

NonemptyArgumentList

```

::= Argument:arg
{:
    Vector temp = new Vector();
    temp.addElement(arg);
    RESULT = temp;
:}

| Argument:arg COMMA NonemptyArgumentList:argl
{: argl.insertElementAt(arg, 0); RESULT = argl; :};

```

FunctionName ::= QName:fname

```

{:
    RESULT = fname;
:};

```

VariableName ::= QName:vname

```

{:
    RESULT = vname;
:};

```

Argument ::= Expr:ex

```

{: RESULT = ex; :};

```

NodeTest ::= NameTest:nt

```

{: RESULT = nt; :}

```

| NODE

```

{: RESULT = new Integer(NodeTest.ANODE); :}

```

| TEXT

```

{: RESULT = new Integer(NodeTest.TEXT); :}

```

| COMMENT

```

{: RESULT = new Integer(NodeTest.COMMENT); :}

```

| PIPARAM LPAREN Literal:l RPAREN

```

{:
    QName name = parser.getQNameIgnoreDefaultNs("name");
    Expression exp = new EqualityExpr(Operators.EQ,
        new NameCall(name),

```

```

        new LiteralExpr(l));
    Vector predicates = new Vector();
    predicates.addElement(new Predicate(exp));
    RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);
:}

| PI
{: RESULT = new Integer(NodeTest.PI); :};

NameTest ::= STAR
    {: RESULT = null; :}

    | QName:qn
    {: RESULT = qn; :};

QName ::= QNAME:qname
    {: RESULT = parser.getQNameIgnoreDefaultNs(qname); :}

| DIV
    {: RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

| MOD
    {: RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

| KEY
    {: RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

| ANCESTOR
    {: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| ANCESTORORSELF
    {: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); :}

| ATTRIBUTE
    {: RESULT
= parser.getQNameIgnoreDefaultNs("attribute"); :}

| CHILD
    {: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| DESCENDANT
    {: RESULT = parser.getQNameIgnoreDefaultNs("decendant"); :}

| DESCENDANTORSELF
    {: RESULT = parser.getQNameIgnoreDefaultNs("decendant-or-self"); :}

| FOLLOWING
    {: RESULT = parser.getQNameIgnoreDefaultNs("following"); :}

```



```

| FOLLOWINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); :}

| NAMESPACE
{: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); :}

| PARENT
{: RESULT = parser.getQNameIgnoreDefaultNs("parent"); :}

| PRECEDING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); :}

| PRECEDINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); :}

| SELF
{: RESULT = parser.getQNameIgnoreDefaultNs("self"); :}

| ID
{: RESULT = parser.getQNameIgnoreDefaultNs("id"); :};

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.cup
```

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 * limitations under the License.
 */
// Proprietary, built in functions
/** current function string (Proprietary). */

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/compiler/Keywords.java
```

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```

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* limitations under the License.
```

```
*/
```

```
/*
```

```
* $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $
```

```
*/
```

```
package org.apache.xalan.processor;
```

```
/**
```

```
* Administrative class to keep track of the version number of  
* the Xalan release.  
* <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>  
* @deprecated To be replaced by org.apache.xalan.Version.getVersion()  
* @xsl.usage general
```

```
*/
```

```
public class XSLProcessorVersion  
{
```

```
/**
```

```
* Print the processor version to the command line.  
*  
* @param argv command line arguments, unused.
```

```
*/
```

```
public static void main(String argv[])  
{  
    System.out.println(S_VERSION);  
}
```

```
/**
```

```

* Constant name of product.
*/
public static final String PRODUCT = "Xalan";

/**
* Implementation Language.
*/
public static final String LANGUAGE = "Java";

/**
* Major version number.
* Version number. This changes only when there is a
*   significant, externally apparent enhancement from
*   the previous release. 'n' represents the n'th
*   version.
*
*   Clients should carefully consider
the implications
*   of new versions as external interfaces and behaviour
*   may have changed.
*/
public static final int VERSION = @version.VERSION@;

/**
* Release Number.
* Release number. This changes when:
*   - a new set of functionality is to be added, eg,
*     implementation of a new W3C specification.
*   - API or behaviour change.
*   - its designated as a reference release.
*/
public static final int RELEASE = @version.RELEASE@;

/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
*   drop applied to a specific release and contains
*   fixes for defects reported. It maintains compatibility
*   with the release and contains no API changes.
*   When missing, it designates the final and complete
*   development drop for a release.
*/
public static final int MAINTENANCE
= @version.MINOR@;

/**
* Development Drop Number.
* Optional identifier designates development drop of

```

```

*    a specific release. D01 is the first development drop
*    of a new release.
*
*    Development drops are works in progress towards a
*    completed, final release. A specific development drop
*    may not completely implement all aspects of a new
*    feature, which may take several development drops to
*    complete. At the point of the final drop for the
*    release, the D suffix will be omitted.
*
*    Each 'D' drops can contain functional enhancements as
*    well as defect fixes. 'D' drops may not be as stable as
*    the final releases.
*/
public static final int DEVELOPMENT = 0;

/**
 * Version String like <CODE>"<B>Xalan</B> <B>Language</B>
 * v.r[.dd] <B>D</B>nn]"</CODE>.
 * <P>Semantics of the version string are
 identical to the Xerces project.</P>
 */
public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" "
    +VERSION+"."+RELEASE+"."
    +(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT)
    : (""+MAINTENANCE));
}

```

Found in path(s):

```

* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.src

```

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```

```

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* limitations under the License.
*/
/*
* $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
*/
package org.apache.xalan;

/**
 * Administrative
 * class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */
public class Version
{

    /**
     * Get the basic version string for the current Xalan release.
     * Version String formatted like
     * <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd] <B>D</B>nn]"</CODE>.
     *
     * Futurework: have this read version info from jar manifest.
     *
     * @return String denoting our current version
     */
    public static String getVersion()
    {
        return getProduct()+" "+getImplementationLanguage()+" "
            +getMajorVersionNum()+"."+getReleaseVersionNum()+"."
            +( (getDevelopmentVersionNum() > 0) ?
                ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));
    }

    /**
     * Print the processor version to the command line.
     *
     * @param argv command line arguments, unused.
     */
    public static void main(String argv[])
    {

```

```

    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 *   significant, externally apparent enhancement from
 *   the previous release. 'n' represents the n'th
 *   version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 *
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 *   - a new set of functionality is to be added, eg,
 *     implementation of a new W3C specification.
 *   - API or behaviour change.
 *   - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{

```

```

return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{
return
@version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static int getDevelopmentVersionNum()
{
try {
if ((new String("@version.DEVELOPER@")).length() == 0)
return 0;
else
return Integer.parseInt("@version.DEVELOPER@");
} catch (NumberFormatException nfe) {
return 0;
}
}
}

```

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.src

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\*/

/\*\*

\* Execute the proprietary document-location() function, which returns  
\* a node set of documents.  
\* @xsl.usage advanced

\*/

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncDoclocation.java

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```

*/
/*
* $Id: Version.src 468654 2006-10-28 07:09:23Z minchau $
*/
package org.apache.xml.serializer;

/**
 * Administrative class to keep track of the version number of
 * the Serializer release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information.</P>
 * @xsl.usage general
 */
public final class Version
{

/**
 * Get the basic version string for the current Serializer.
 * Version String formatted like
 * <CODE>"<B>Serializer</B> <B>Java</B> v.r[.dd| <B>D</B>nn]"</CODE>.
 *
 * Futurework: have this read version info from jar manifest.
 *
 * @return String denoting our current version
 */
public static String getVersion()
{
    return getProduct()+" "+getImplementationLanguage()+" "
        +getMajorVersionNum()+"."+getReleaseVersionNum()+"."
        +(getDevelopmentVersionNum() > 0) ?
        ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum());
}

/**
 * Print the processor version to the command
 * line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */

```

```

public static String getProduct()
{
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This
changes when:
 * - a new set of functionality is to be added, eg,
 * implementation of a new W3C specification.
 * - API or behaviour change.
 * - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance

```

```

* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/
public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

/**
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development
drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
* release, the D suffix will be omitted.
*
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
}

```

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src  
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Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java  
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\*/

// Proprietary

/\*\* The 'document-location()' id (Proprietary). \*/

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/compiler/FunctionTable.java  
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* limitations under the License.
*/
// is found, then throw a special exception in order to terminate
```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/TransformerFactoryImpl.java
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```

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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
/*
* $Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas $
*/
```

```
/*
* @author Jacek Ambroziak
* @author
* Santiago Pericas-Geertsen
* @author Morten Jorgensen
*
*/
```

```
package org.apache.xalan.xsltc.compiler;
```

```
import java_cup.runtime.Symbol;
%%
```

```

%cup
%unicode
%class XPathLexer
%yyeof

%{
    int last;

    void initialize() {
        last = -1;
    }

    static boolean isWhitespace(int c) {
        return (c == ' ' || c == '\t' || c == '\r' || c == '\n' || c == '\f');
    }

    /**
     * If symbol is not followed by ':' or '(', then treat it as a
     * name instead of an axis or function (Jira-1912).
     */
    Symbol disambiguateAxisOrFunction(int ss) throws Exception {
        // Peek in the input buffer without changing the internal state
        int index = yy_buffer_index;

        // Skip whitespace
        while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
            index++;
        }

        // If end of buffer, can't disambiguate :(

        if (index >= yy_buffer_read) {
            // Can't disambiguate, so return as symbol
            return new Symbol(ss);
        }

        // Return symbol if next token is ':' or '('
        return (yy_buffer[index] == ':' && yy_buffer[index+1] == ':' ||
            yy_buffer[index] == '(') ?
            newSymbol(ss) : newSymbol(sym.QNAME, yytext());
    }

    /**
     * If symbol is first token or if it follows any of the operators
     * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
     * name instead of a keyword (Jira-1912).
     */
    Symbol disambiguateOperator(int ss) throws Exception {

```

```

switch (last) {
case -1: // first token
case sym.ATSIGN:
case sym.DCOLON:
case sym.LPAREN:
case sym.LBRACK:
case sym.COMMA:
case sym.AND:
case sym.OR:
case
sym.MOD:
case sym.DIV:
case sym.MULT:
case sym.SLASH:
case sym.DSLASH:
case sym.VBAR:
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LT:
case sym.LE:
case sym.GT:
case sym.GE:
    return newSymbol(sym.QNAME, yytext());
}
return newSymbol(ss);
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * wildcard instead of a multiplication operator
 */
Symbol disambiguateStar() throws Exception {
switch (last) {
case -1: // first token
case sym.ATSIGN:
case sym.DCOLON:
case sym.LPAREN:
case sym.LBRACK:
case sym.COMMA:

case sym.AND:
case sym.OR:
case sym.MOD:
case sym.DIV:
case sym.MULT:

```

```

    case sym.SLASH:
    case sym.DSLASH:
    case sym.VBAR:
    case sym.PLUS:
    case sym.MINUS:
    case sym.EQ:
    case sym.NE:
    case sym.LT:
    case sym.LE:
    case sym.GT:
    case sym.GE:
        return newSymbol(sym.STAR);
    }
    return newSymbol(sym.MULT);
}

Symbol newSymbol(int ss) {
    last = ss;
    return new Symbol(ss);
}

Symbol newSymbol(int ss, String value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;
    return new
Symbol(ss, value);
}
% }

%eofval{
return newSymbol(sym.EOF);
%eofval}

%yylexthrow{
Exception
%yylexthrow}

Letter={BaseChar}||{Ideographic}

```



BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u00FF\u0100-\u0131\u0134-\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F0\u01F4-\u01F5\u01FA-\u0217\u0250-\u02A8\u02BB-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-\u03D6\u03DA\u03DC\u03DE\u03E0\u03E2-\u03F3\u0401-\u040C\u040E-\u044F\u0451-\u045C\u045E-\u0481\u0490-\u04C4\u04C7-\u04C8\u04CB-\u04CC\u04D0-\u04EB\u04EE-\u04F5\u04F8-\u04F9\u0531-\u0556\u0559\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F2\u0621-\u063A\u0641-\u064A\u0671-\u06B7\u06BA-\u06BE\u06C0-\u06CE\u06D0-\u06D3\u06D5\u06E5-\u06E6\u0905-\u0939\u093D\u0958-\u0961\u0985-\u098C\u098F-\u0990\u0993-\u09A8\u09AA-\u09B0\u09B2\u09B6-\u09B9\u09DC-\u09DD\u09DF-\u09E1\u09F0-\u09F1\u0A05-\u0A0A\u0A0F-\u0A10\u0A13-\u0A28\u0A2A-\u0A30\u0A32-\u0A33\u0A35-\u0A36\u0A38-\u0A39\u0A59-\u0A5C\u0A5E\u0A72-\u0A74\u0A85-\u0A8B\u0A8D\u0A8F-\u0A91\u0A93-\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0ABD\u0AE0\u0B05-\u0B0C\u0B0F-\u0B10\u0B13-\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3D\u0B5C-\u0B5D\u0B5F-\u0B61\u0B85-\u0B8A\u0B8E-\u0B90\u0B92-\u0B95\u0B99-\u0B9A\u0B9C\u0B9E-\u0B9F\u0BA3-\u0BA4\u0BA8-\u0BAA\u0BAE-\u0BB5\u0BB7-\u0BB9\u0C05-\u0C0C\u0C0E-\u0C10\u0C12-\u0C28\u0C2A-\u0C33\u0C35-\u0C39\u0C60-\u0C61\u0C85-\u0C8C\u0C8E-\u0C90\u0C92-\u0CA8\u0CAA-\u0CB3\u0CB5-\u0CB9\u0CDE\u0CE0-\u0CE1\u0D05-\u0D0C\u0D0E-\u0D10\u0D12-\u0D28\u0D2A-\u0D39\u0D60-\u0D61\u0E01-\u0E2E\u0E30\u0E32-\u0E33\u0E40-\u0E45\u0E81-\u0E82\u0E84\u0E87-\u0E88\u0E8A\u0E8D\u0E94-\u0E97\u0E99-\u0E9F\u0EA1-\u0EA3\u0EA5\u0EA7\u0EAA-\u0EAB\u0EAD-\u0EAE\u0EB0\u0EB2-\u0EB3\u0EBD\u0EC0-\u0EC4\u0F40-\u0F47\u0F49-\u0F69\u10A0-\u10C5\u10D0-\u10F6\u1100\u1102-\u1103\u1105-\u1107\u1109\u110B-\u110C\u110E-\u1112\u113C\u113E\u1140\u114C\u114E\u1150\u1154-\u1155\u1159\u115F-\u1161\u1163\u1165\u1167\u1169\u116D-\u116E\u1172-\u1173\u1175\u119E\u11A8\u11AB\u11AE-\u11AF\u11B7-\u11B8\u11BA\u11BC-\u11C2\u11EB\u11F0\u11F9\u1E00-\u1E9B\u1EA0-\u1EF9\u1F00-\u1F15\u1F18-\u1F1D\u1F20-\u1F45\u1F48-\u1F4D\u1F50-\u1F57\u1F59\u1F5B\u1F5D\u1F5F-\u1F7D\u1F80-\u1FB4\u1FB6-\u1FBC\u1FBE\u1FC2-\u1FC4\u1FC6-\u1FCC\u1FD0-\u1FD3\u1FD6-\u1FDB\u1FE0-\u1FEC\u1FF2-\u1FF4\u1FF6-\u1FFC\u2126\u212A-\u212B\u212E\u2180-\u2182\u3041-\u309A\u30A1-\u30FA\u3105-\u312C\uAC00-\uD7A3]

Ideographic=[\u4E00-\u9FA5\u3007\u3021-\u3029]

CombiningChar=[\u0300-\u0345\u0360-\u0361\u0483-\u0486\u0591-\u05A1\u05A3-\u05B9\u05BB-\u05BD\u05BF\u05C1-\u05C2\u05C4\u064B-\u0652\u0670\u06D6-\u06DC\u06DD-\u06DF\u06E0-\u06E4\u06E7-\u06E8\u06EA-\u06ED\u0901-\u0903\u093C\u093E-\u094C\u094D\u0951-\u0954\u0962-\u0963\u0981-\u0983\u09BC\u09BE\u09BF\u09C0-\u09C4\u09C7-\u09C8\u09CB-\u09CD\u09D7\u09E2-\u09E3\u0A02\u0A3C\u0A3E\u0A3F\u0A40-\u0A42\u0A47-\u0A48\u0A4B-\u0A4D\u0A70-\u0A71\u0A81-\u0A83\u0ABC\u0ABE-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0B01-\u0B03\u0B3C\u0B3E-\u0B43\u0B47-\u0B48\u0B4B-\u0B4D\u0B56-\u0B57\u0B82-\u0B83\u0BBE-\u0BC2\u0BC6-\u0BC8\u0BCA-\u0BCD\u0BD7\u0C01-\u0C03\u0C3E-\u0C44\u0C46-\u0C48\u0C4A-\u0C4D\u0C55-\u0C56\u0C82-\u0C83\u0CBE-\u0CC4\u0CC6-\u0CC8\u0CCA-\u0CCD\u0CD5-\u0CD6\u0D02-\u0D03\u0D3E-\u0D43\u0D46-\u0D48\u0D4A-\u0D4D\u0D57\u0E31\u0E34-\u0E3A\u0E47-\u0E4E\u0EB1\u0EB4-\u0EB9\u0EBB-\u0EBC\u0EC8-\u0ECD\u0F18-\u0F19\u0F35\u0F37\u0F39\u0F3E\u0F3F\u0F71-\u0F84\u0F86-\u0F8B\u0F90-\u0F95\u0F97\u0F99-\u0FAD\u0FB1-\u0FB7\u0FB9\u20D0-\u20DC\u20E1\u302A-\u302F\u3099\u309A]

Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u096F\u09E6-\u09EF\u0A66-\u0A6F\u0AE6-\u0AEF\u0B66-\u0B6F\u0BE7-\u0BEF\u0C66-\u0C6F\u0CE6-\u0CEF\u0D66-\u0D6F\u0E50-\u0E59\u0ED0-\u0ED9\u0F20-\u0F29]

Extender=[\u00B7\u02D0\u02D1\u0387\u0640\u0E46\u0EC6\u3005\u3031-\u3035\u309D-\u309E\u30FC-\u30FE]

NCName=({Letter}|"\_"|{NCNameStartChar})({NCNameChar})\*

NCNameChar={Letter}|{Digit}|"."-""\_|{CombiningChar}|{Extender}|{NCNameStartChar}  
|\u00B7|[\u0300-\u036F]|[\u203F-\u2040]|[\u0130-\u0136]

NCNameStartChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u02FF\u0370-\u037D\u037F-\u1FFF\u200C-\u200D\u2070-\u218F\u2C00-\u2FEF\u3001-\uD7FF\uF900-\uFDCF\uFDF0-\uFFFD]| \u005F |({HighSurrogate}{LowSurrogate})

HighSurrogate=[\uD800-\uDBFF]

LowSurrogate=[\uDC00-\uDFFF]

%%

```
"*"      { return disambiguateStar(); }
"/"      { return newSymbol(sym.SLASH); }
"+"      { return newSymbol(sym.PLUS); }
"-"      { return newSymbol(sym.MINUS); }
"div"    { return disambiguateOperator(sym.DIV); }
"mod"    { return disambiguateOperator(sym.MOD); }
"::"     { return newSymbol(sym.DCOLON); }
","      { return newSymbol(sym.COMMA); }
"@ "     { return newSymbol(sym.ATSIGN); }
".. "    { return newSymbol(sym.DDOT); }
"|"      { return newSymbol(sym.VBAR); }
"$"      { return newSymbol(sym.DOLLAR); }
"//"      { return newSymbol(sym.DSLASH); }
"="      { return newSymbol(sym.EQ); }
"!="     { return newSymbol(sym.NE); }
"<"     { return newSymbol(sym.LT); }
">"     { return newSymbol(sym.GT); }
"<="    { return newSymbol(sym.LE); }
">="    { return newSymbol(sym.GE); }
"id"     { return disambiguateAxisOrFunction(sym.ID); }
"key"    { return disambiguateAxisOrFunction(sym.KEY); }
"text()" { return newSymbol(sym.TEXT); }
"text"+[ \t\r\n\f]+"()" { return newSymbol(sym.TEXT); }
"node()" { return newSymbol(sym.NODE); }
"node"+[ \t\r\n\f]+"()" { return newSymbol(sym.NODE); }
"comment()" { return newSymbol(sym.COMMENT); }
"comment"+[ \t\r\n\f]+"()" { return newSymbol(sym.COMMENT); }
"processing-instruction"
```

```

{ return disambiguateAxisOrFunction(sym.PIPARAM); }
"processing-instruction"      { return newSymbol(sym.PI); }
"processing-instruction"+[ \t\r\n\f]+"() { return newSymbol(sym.PI); }
"or"                          { return disambiguateOperator(sym.OR); }
"and"                          { return disambiguateOperator(sym.AND); }
"child"                        { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute"                    { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
"ancestor"                    { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self"            { return disambiguateAxisOrFunction(sym.ANCESTORORSELF); }
"descendant"                  { return disambiguateAxisOrFunction(sym.DESCENDANT); }
"descendant-or-self"         { return disambiguateAxisOrFunction(sym.DESCENDANTORSELF); }
"following"                   { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling"          { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
}
"namespace"                   { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent"                      { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding"                   { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling"          { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self"                        { return disambiguateAxisOrFunction(sym.SELF); }
"["                            { return newSymbol(sym.LBRACK); }
"]"                            { return newSymbol(sym.RBRACK); }
"("                            { return newSymbol(sym.LPAREN); }
")"                            { return newSymbol(sym.RPAREN); }
"<PATTERN>"                   { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>"               { initialize(); return new Symbol(sym.EXPRESSION); }
\[^\]*\"                      { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }
\[^\]*\'                      { return newSymbol(sym.Literal,
    yytext().substring(1,
    yytext().length() - 1)); }
{Digit}+                      { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+(\."{Digit}*)?        { return newSymbol(sym.REAL, new Double(yytext())); }
"."{Digit}+                   { return newSymbol(sym.REAL, new Double(yytext())); }
"."                            { return newSymbol(sym.DOT); }
({NCName}":")?{NCName}       { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?"*"            { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?"@"*"          { return newSymbol(sym.QNAME, yytext()); }
[ \t\r\n\f]                   { /* ignore white space. */ }
.                              { throw new Exception(yytext()); }

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.lex
```

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Found in path(s):

- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
- \*
- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-
- jar/org/apache/xpath/operations/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-
- jar/org/apache/xalan/processor/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/package.html
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- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html
- \* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html
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- jar/org/apache/xalan/templates/package.html
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- jar/org/apache/xalan/extensions/package.html
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- jar/org/apache/xalan/transformer/package.html
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- \*
- /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html

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\* /opt/cola/permits/1128014525\_1611888958.51/0/fathom-metrics-influxdb-1-0-1-sources-jar/META-INF/maven/com.gitblit.fathom/fathom-metrics-influxdb/pom.xml

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\* /opt/cola/permits/1128014525\_1611888958.51/0/fathom-metrics-influxdb-1-0-1-sources-jar/fathom/metrics/influxdb/Reporter.java

# 1.773 gojsonpointer

4e3ac2762d5f479393488629ee9370b50873b3a

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# 1.775 brave 4.3.3

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\* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/JsonCodec.java  
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 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/Pair.java  
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 /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/Dependencies.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/InMemoryCollectorMetrics.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/Lazy.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/BinaryAnnotation.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/CallbackCaptor.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/Nullable.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/Component.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/storage/InMemoryStorage.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/storage/InternalBlockingToAsyncSpanStoreAdapter.java  
 \*  
 /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/GroupByTraceId.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/storage/StorageComponent.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/Constants.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/TraceKeys.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/storage/AsyncSpanConsumer.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/Annotation.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/collector/Collector.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/Codec.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/internal/ThriftCodec.java  
 \* /opt/cola/permits/1130189386\_1612483955.17/0/zipkin-1-24-0-sources-1-jar/zipkin/storage/AsyncSpanStore.java  
 \*  
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```
*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/ObjectCreationFactory.java
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```
/* $Id: CallParamRule.java 471661 2006-11-06 08:09:25Z skitching $  
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jar/org/apache/commons/digester/CallParamRule.java

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```
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```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
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```
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```

```
jar/org/apache/commons/digester/substitution/package.html
```

```
*
```

/opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/xmlrules/package.html  
\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/parser/package.html  
\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/overview.html  
\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/package.html  
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```
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\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/LoaderFromStream.java  
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jar/org/apache/commons/digester/SetRootRule.java  
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jar/org/apache/commons/digester/xmlrules/DigesterRulesSource.java  
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```
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```
jar/org/apache/commons/digester/plugins/PluginCreateRule.java
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Found in path(s):

```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/Rule.java
```

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```
/* $Id: VariableSubstitutor.java 471661 2006-11-06 08:09:25Z skitching $
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*/
```

Found in path(s):

```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/substitution/VariableSubstitutor.java
```

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/\* \$Id: SimpleRegexMatcher.java 471661 2006-11-06 08:09:25Z skitching \$

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Found in path(s):

\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/SimpleRegexMatcher.java

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/\* \$Id: PluginException.java 471661 2006-11-06 08:09:25Z skitching \$

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Found in path(s):

\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/plugins/PluginException.java

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/\* \$Id: MultiVariableExpander.java 471661 2006-11-06 08:09:25Z skitching \$

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\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/substitution/MultiVariableExpander.java  
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/\* \$Id: NodeCreateRule.java 472835 2006-11-09 09:59:53Z skitching \$  
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jar/org/apache/commons/digester/NodeCreateRule.java  
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/\* \$Id: RuleLoader.java 471661 2006-11-06 08:09:25Z skitching \$  
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jar/org/apache/commons/digester/plugins/RuleLoader.java  
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```
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jar/org/apache/commons/digester/SetNextRule.java  
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```
/* $Id: PluginAssertionFailure.java 476205 2006-11-17 16:43:10Z dennisl $
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Found in path(s):

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jar/org/apache/commons/digester/plugins/PluginAssertionFailure.java  
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/\* \$Id: SetPropertyRule.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/SetPropertyRule.java  
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/\* \$Id: LoaderFromClass.java 472842 2006-11-09 10:19:56Z skitching \$

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Found in path(s):

\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-jar/org/apache/commons/digester/plugins/strategies/LoaderFromClass.java  
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```
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jar/org/apache/commons/digester/xmlrules/DigesterLoader.java  
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/\* \$Id: RulesFactory.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/RulesFactory.java  
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jar/org/apache/commons/digester/PathCallParamRule.java  
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/\* \$Id: DigesterLoadingException.java 476205 2006-11-17 16:43:10Z dennisl \$

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jar/org/apache/commons/digester/xmlrules/DigesterLoadingException.java  
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jar/org/apache/commons/digester/CallMethodRule.java  
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/\* \$Id: AbstractObjectCreationFactory.java 471661 2006-11-06 08:09:25Z sketching \$  
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jar/org/apache/commons/digester/AbstractObjectCreationFactory.java  
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/\* \$Id: PluginDeclarationRule.java 472837 2006-11-09 10:07:51Z sketching \$  
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/\* \$Id: CircularIncludeException.java 471661 2006-11-06 08:09:25Z skitching \$

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/\* \$Id: XercesParser.java 471661 2006-11-06 08:09:25Z skitching \$

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```
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```
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*/
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Found in path(s):

```
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```
jar/org/apache/commons/digester/plugins/LogUtils.java
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```
/* $Id: FinderFromClass.java 471661 2006-11-06 08:09:25Z skitching $
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jar/org/apache/commons/digester/plugins/strategies/FinderFromClass.java
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```

Found in path(s):

```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/ObjectCreateRule.java
```

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```
/* $Id: PluginConfigurationException.java 476205 2006-11-17 16:43:10Z dennisl $
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```

Found in path(s):

```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/plugins/PluginConfigurationException.java
```

No license file was found, but licenses were detected in source scan.



```
/* $Id: RuleFinder.java 471661 2006-11-06 08:09:25Z skitching $
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```

Found in path(s):

```
*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/plugins/RuleFinder.java
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```

```
/* $Id: FinderSetProperties.java 471661 2006-11-06 08:09:25Z skitching $
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```

Found in path(s):

```
*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/plugins/strategies/FinderSetProperties.java
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```

```
/* $Id: AbstractRulesImpl.java 471661 2006-11-06 08:09:25Z skitching $
*
```

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Found in path(s):

\* /opt/cola/permits/1135844707\_1613613985.45/0/commons-digester-1-8-sources-5-  
jar/org/apache/commons/digester/AbstractRulesImpl.java

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/\* \$Id: PluginContext.java 476312 2006-11-17 20:59:09Z rahul \$

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jar/org/apache/commons/digester/plugins/PluginContext.java

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/\* \$Id: Substitutor.java 471661 2006-11-06 08:09:25Z sketching \$

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Found in path(s):

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17 20:00:50Z rahul \$

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Found in path(s):

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/\* \$Id: Digester.java 480169 2006-11-28 19:37:36Z rahul \$

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/\* \$Id: FinderFromResource.java 471661 2006-11-06 08:09:25Z skitching \$

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Found in path(s):

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/\* \$Id: PluginInvalidInputException.java 476205 2006-11-17 16:43:10Z dennisl \$

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/\* \$Id: LoaderSetProperties.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/strategies/LoaderSetProperties.java  
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jar/org/apache/commons/digester/FactoryCreateRule.java  
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/\* \$Id: FinderFromMethod.java 471661 2006-11-06 08:09:25Z skitching \$

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jar/org/apache/commons/digester/plugins/strategies/FinderFromMethod.java  
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/\* \$Id: DigesterRuleParser.java 471661 2006-11-06 08:09:25Z skitching \$  
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jar/org/apache/commons/digester/xmlrules/DigesterRuleParser.java  
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jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltMethod.java  
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jar/org/apache/commons/digester/plugins/strategies/FinderFromDfltResource.java  
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jar/org/apache/commons/digester/plugins/Declaration.java

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```
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```
jar/org/apache/commons/digester/xmlrules/XmlLoadException.java
```

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```
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```
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```
jar/org/apache/commons/digester/xmlrules/FromXmlRuleSet.java
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```

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```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/plugins/PluginRules.java
```

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```
/* $Id: SetNestedPropertiesRule.java 472836 2006-11-09 10:06:56Z skitching $
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```

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```
* /opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/SetNestedPropertiesRule.java
```

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```
*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/plugins/PluginManager.java
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```

```
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```

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```
*/opt/cola/permits/1135844707_1613613985.45/0/commons-digester-1-8-sources-5-
jar/org/apache/commons/digester/RegexRules.java
```

# 1.779 xpp3-min 1.1.4c

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 * $Id: MXParser.java,v 1.52 2006/11/09 18:29:37 aslom Exp $
 */
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Found in path(s):

\*/opt/cola/permits/1135891472\_1613626397.91/0/xpp3-min-1-1-4c-sources-1-jar/org/xmlpull/mxp1/MXParser.java

# 1.780 commons-digester 1.8.1

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 */
```

Found in path(s):

```
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/xml/SAXClassAdapter.java
*
```

/opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java  
\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java  
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jar/org/objectweb/asm/commons/package.html

\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/package.html

\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/attrs/package.html

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/opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-

jar/org/objectweb/asm/tree/analysis/package.html

\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/package.html

\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-

jar/org/objectweb/asm/signature/package.html

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jar/org/objectweb/asm/commons/InstructionAdapter.java

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\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/Frame.java  
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\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/StaticInitMerger.java  
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\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/BasicValue.java  
\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/JumpInsnNode.java  
\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java  
\* /opt/cola/permits/1135935623\_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/Label.java

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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/Opcodes.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/util/TraceMethodVisitor.java
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jar/org/objectweb/asm/util/ASMifierFieldVisitor.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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* /opt/cola/permits/1136135181_1613688035.49/0/ini4j-0-5-4-sources-3-jar/org/ini4j/spi/BeanAccess.java
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jar/org/ini4j/InvalidFormatException.java
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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|                | from      |           |            | compatible? (1) |
|----------------|-----------|-----------|------------|-----------------|
| 0.9.0 thru 1.2 |           | 1991-1995 | CWI        | yes             |
| 1.3 thru 1.5.2 | 1.2       | 1995-1999 | CNRI       | yes             |
| 1.6            | 1.5.2     | 2000      | CNRI       | no              |
| 2.0            | 1.6       | 2000      | BeOpen.com | no              |
| 1.6.1          | 1.6       | 2001      | CNRI       | yes (2)         |
| 2.1            | 2.0+1.6.1 | 2001      | PSF        | no              |
| 2.0.1          | 2.0+1.6.1 | 2001      | PSF        | yes             |
| 2.1.1          | 2.1+2.0.1 | 2001      | PSF        | yes             |
| 2.1.2          | 2.1.1     | 2002      | PSF        | yes             |
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| 2.2 and above  | 2.1.1     | 2001-now  |            |                 |
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```
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/CharacterIterator.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RE.java
*
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/recompile.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RESyntaxException.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REProgram.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REUtil.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REDebugCompiler.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/REDemo.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/ReaderCharacterIterator.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/CharArrayCharacterIterator.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/RETest.java
* /opt/cola/permits/1134796780_1613422074.14/0/archive-259-zip/StringCharacterIterator.java
```

## 1.799 lz4-java 1.3.0

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
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Mersenne Twister

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The `\_random` module includes code based on a download from <http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
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<http://www.math.keio.ac.jp/matumoto/emt.html>

email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

## Sockets

-----

The ``socket'` module uses the functions, ``getaddrinfo'`, and ``getnameinfo'`, which are coded in separate source files from the WIDE Project, [`http://www.wide.ad.jp/about/index.html'](http://www.wide.ad.jp/about/index.html).

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Floating point exception control

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard

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jar/org/apache/commons/logging/impl/SLF4JLogFactory.java
* /opt/cola/permits/1147876706_1623960348.01/0/jcl-over-slf4j-1-7-7-sources-2-
jar/org/apache/commons/logging/impl/SimpleLog.java
* /opt/cola/permits/1147876706_1623960348.01/0/jcl-over-slf4j-1-7-7-sources-2-
jar/org/apache/commons/logging/impl/SLF4JLog.java
*
/opt/cola/permits/1147876706_1623960348.01/0/jcl-over-slf4j-1-7-7-sources-2-
jar/org/apache/commons/logging/LogConfigurationException.java
* /opt/cola/permits/1147876706_1623960348.01/0/jcl-over-slf4j-1-7-7-sources-2-
jar/org/apache/commons/logging/impl/SLF4JLocationAwareLog.java
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## 1.809 security-provider 1.3.0

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## 1.812 jackson-dataformat-yaml 2.10.1

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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## 1.813 datatype 1.3.04

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<http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/>  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/util/NumberedObjectCache.java  
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/QuotesAndWhitespaceTokenizer.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/UIteratorUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/BeanExtractingGeneratorExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/PotentiallySecondaryUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/PropertyBeanGenerator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/CachedStoreFactory.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/decode/Decoder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/WrapperProperty.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/FailSuppressedMessageLogger.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionBundle.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/hocon/HoconPropertiesConfigSource.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/jvm/TypeFormatException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionBundlePoolImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/naming/ReferenceIndirector.java

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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionBundleImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/IOSequentialByteArrayMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/encounter/EncounterUtils.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionBundlePoolBean.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/TableRep.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/UnreliableIteratorUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/ParsedPropertyBeanDocument.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ThreadSafeShortHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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jar/com/mchange/v2/holders/ThreadSafeCharHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/SynchronizedIntHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/UnreliableIterator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/decode/DecodeUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/AmbiguousClassNameException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/IOByteArrayEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/DriverManagerDataSource.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/PotentiallySecondaryException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/SynchronizedFilterDataSource.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/UnreliableIteratorException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

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jar/com/mchange/v2/reflect/ReflectUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/reflect/ForwardingInvocationHandler.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/CarefulRunnableQueue.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/SqlUtils.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/net/SmtpException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/DuplicateElementException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/StrongIdHashKey.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/AlreadyExistsException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/jdk14logging/ForwardingLogger.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/util/PropertiesUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/SimpleMapEntry.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/PropertyReferenceableExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/VolatileByteHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/SyncedCoalescer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/FilterDataSource.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/VolatileIntHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/xmlprops/SaxXmlPropsParser.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/RunnableQueue.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/rmi/RegistryManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/ForeignKeyRep.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/CompleteConstructorGeneratorExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/ClosableResource.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/IOStringEnumerationHelperBase.java

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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cmdline/BadCommandLineException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/PropertiesConfigSource.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/LogUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/UnknownStreamClassException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/DoubleUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/ResolvedClassInfo.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/io/InputStreamUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/SoftKey.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/StateBeanExporter.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdWeakHashMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/FilterCallableStatement.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/ClosableResourceUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/xmlpropsschema/XmlPropsSchemaHelper.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/Debug.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/TweakableCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/filecache/RelativePathFileCacheKey.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/SimpleClassInfo.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/filecache/URLFetcher.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

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jar/com/mchange/v1/util/AbstractResourcePool.java  
\*  
/opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v2/coalesce/CoalescerIterator.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/util/OrderedCollection.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v2/lang/TypeResolutionUtils.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v1/cachedstore/ManualCleanupSoftKeyCachedStore.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v1/db/sql/schemarep/ForeignKeyRepImpl.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v1/cachedstore/CachedStoreError.java  
\*  
/opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v2/util/ComparatorUtils.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v1/lang/holders/ThreadSafeShortHolder.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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jar/com/mchange/v3/hocon/HoconMultiPropertiesConfig.java  
\*  
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jar/com/mchange/v1/lang/holders/ThreadSafeFloatHolder.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
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jar/com/mchange/v1/cachedstore/NoCacheCachedStore.java  
\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-  
jar/com/mchange/v1/lang/holders/SynchronizedFloatHolder.java

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*
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cmdline/MissingSwitchException.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/NoCacheWritableCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/DebugUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/CombinedMultiPropertiesConfig.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/Debug.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/SimpleProperty.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/HashIntChecklist.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/IteratorUtils.java

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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/lang/ClassUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/util/StringObjectMap.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/lang/PotentiallySecondaryError.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/db/sql/XmlSchema.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/util/UIterator.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/io/FileEnumeration.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/sql/filter/FilterStatement.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/codegen/bean/ExplicitPropsConstructorGeneratorExtension.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/util/WrapperUIterator.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/io/impl/SuffixFilenameFilter.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/encounter/IdentityEncounterCounter.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/beans/BeansUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/log/NullMLogger.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/identicator/WeakIdHashKey.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/net/SmtpUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/db/sql/TypesUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/util/CleanupUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/lang/holders/SynchronizedBooleanHolder.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/coalesce/CoalesceIdenticator.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/cfg/Debug.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/util/ByteArrayComparator.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/sql/filter/RecreatePackage.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-



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jar/com/mchange/v2/lock/ExactReentrantSharedUseExclusiveUseLock.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/indicator/test/TestIdWeakHashMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/jdk14logging/Jdk14MLog.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/WeakEqualsCoalescer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/ThreadSafeBooleanHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/filecache/FileNotCachedException.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/io/OutputStreamUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ThreadSafeDoubleHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/swing/PropertyComponentBindingUtility.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/Base64Encoder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/RobustMessageLogger.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/naming/Debug.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/StateBean.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/WeakHashPSManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/SimpleRunnableQueue.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/LongUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/ObjectUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/DbAuth.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/io/FileUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/rmi/NotAuthorizedException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/MConfig.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cmdline/ParsedCommandLineImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/SynchronizedIntHolder.java

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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/CBPUtills.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/MLevel.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/VersionUtills.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/test/InterruptTaskThread.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/VolatileByteHolder.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/filecache/URLFetchers.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/MLogClasses.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/debug/DebugConstants.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionEventSupport.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/MLogConfig.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/StringMemoryFile.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lock/SharedUseExclusiveUseLock.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/StatementUtills.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/StartsWithFilenameFilter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/WritableCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/RoundRobinAsynchronousRunner.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/CoalesceChecker.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/net/LocalHostManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/ser/IndirectPolicy.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/StringEnumeration.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/uid/UidUtills.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/ThrowableUtills.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

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jar/com/mchange/v2/sql/filter/SynchronizedFilterPreparedStatement.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/QuotesAndSpacesTokenizer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/rmi/ServiceUnavailableException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/GentleThread.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/DirectoryDescendingFileFinderImpl.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/LongObjectMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/SynchronizedLongHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/Coalescer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ChangeNotifyingSynchronizedIntHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/CodegenUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/encounter/AbstractEncounterCounter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/CircularListQueue.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/StateBeanImporter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/FilterResultSet.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/ManualCleanupSoftSet.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ThreadSafeBooleanHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/naming/ReferenceMaker.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/Schema.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/Base64FormatException.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/encounter/EncounterCounter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/StringEnumerationHelperBase.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/Queue.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/filecache/FileCacheKey.java

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\* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/naming/JavaBeanObjectFactory.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/db/sql/PSManager.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/util/impl/SimpleLogFile.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/io/BadConfigurationException.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/codegen/bean/Property.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/holders/SynchronizedDoubleHolder.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/io/WriterUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/log/log4j/Log4jMLog.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/cachedstore/CachedStoreUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/cfg/MLogConfigSource.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/beans/swing/PropertyBoundButtonGroup.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/cachedstore/CacheFlushException.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v1/identicator/IdentityHashCodeIdenticator.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/util/PartialFailureException.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/codegen/bean/SimplePropertyMask.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/codegen/IndentedWriter.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/log/MLog.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/debug/ThreadNameStackTraceRecorder.java  
 \*  
 /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/net/MimeUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/log/jdk14logging/Jdk14LoggingUtils.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/util/ByteArrayEnumeration.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-jar/com/mchange/v2/cmdline/UnexpectedSwitchArgumentException.java  
 \* /opt/cola/permits/1150964960\_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

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jar/com/mchange/v2/coalesce/AbstractWeakCoalescer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/CharUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/IOStringObjectMap.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/UniquenessConstraintRepImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/IOEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/ColumnRep.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/IntObjectHash.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/ValueTransformingCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionBundlePool.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/FilterDatabaseMetaData.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/SomethingChangedEvent.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/SynchronizedLongHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/MultiPropertiesConfig.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/Debug.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdHashKey.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/xml/ResourceEntityResolver.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/VolatileShortHolder.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/MapUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/MLogger.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lock/SimpleSharedUseExclusiveUseLock.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/InputStreamUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ThreadSafeByteHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/collection/MapEntry.java

```

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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/PlaintextPropertiesPasswordManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/LazyStringMemoryFileImpl.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/IntChecklist.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/ThreadSafeIntHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/IOStringEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/SynchronizedBooleanHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/NullUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/ArrayUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/CopyConstructorGeneratorExtension.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/rmi/RMIRegistryCallingCard.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/SoftSetFactory.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/util/Debug.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/LazyReadOnlyMemoryFileImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/VolatileFloatHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/hocon/HoconUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/net/MailSender.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cmdline/ParsedCommandLine.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/ColumnRepImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/naming/JavaBeanReferenceMaker.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/net/SocketUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/ThreadGroupUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/Autoflushing.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

```

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jar/com/mchange/v1/xmlprops/DomXmlPropsParser.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/CoalescerFactory.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/xmlprops/XmlPropsException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/slf4j/Slf4jMLog.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/management/OperationKey.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/SoftReferenceObjectCache.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdHashSet.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/PotentiallySecondary.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/SynchronizedFilterCallableStatement.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/VolatileBooleanHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/SimpleStateBeanImportExportGeneratorExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/SetUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/ThreadSafeDoubleHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/StrongEqualsCoalescer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/IntEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/PropertiesConfig.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/KeyValueTransformingCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/SynchronizedCharHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/io/WriterUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/WrapperIterator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/CloneableExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/SynchronizedCharHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/SqlUtils.java

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*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/ArrayUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/SimpleCursor.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/ByteUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/SomethingChangedEventSupport.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdList.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/ThreadPoolAsynchronousRunner.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/io/FileIterator.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/coalesce/CoalesceTest.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/ThreadSafeIntHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/ThreadPerTaskAsynchronousRunner.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ConnectionUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/VolatileCharHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/UnsupportedVersionException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/swing/HostBindingInterface.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/util/WeakIdentityHashMapFactory.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/ClassInfo.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/WrapperClassInfo.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/encounter/GenericEncounterCounter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/GeneratorExtension.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/CachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/test/TestIdHashSet.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/ser/IndirectlySerialized.java

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* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/TypeRepImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/FSMessageLoggerAdapter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/TableRepImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/InnerBeanPropertyBeanGenerator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/MEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/CollectionUtils.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/BasicPropertiesConfigSource.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/util/StringTokenizerUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/util/XORShiftRandomUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/impl/EndsWithFilenameFilter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/io/IndentedWriter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/StringUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/SimplePropertyBeanGenerator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/csv/MalformedCsvException.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/swing/TestBean.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/SchemaManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/ThreadUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/ResultSetUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/ser/Indirector.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/MLogInitializationException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/ResolvedProperty.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/holders/VolatileShortHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-

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jar/com/mchange/v2/ser/SerializableUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/CommandLineParserImpl.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/SynchronizedDoubleHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/schemarep/TypeRep.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/beans/swing/BoundButtonUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/LinkedListIntChecklistImpl.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/VolatileFloatHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/SyncedProperties.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/RunnableQueue.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/csv/FastCsvUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/ObjectCache.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/HexAsciiMD5PropertiesPasswordManager.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/rmi/CallingCard.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/NameTransformer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/impl/EmptyMEnumeration.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/lang/Coerce.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/MessageLogger.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/io/SerializableUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/SynchronizedFilterStatement.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/ShortUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/ThreadSafeLongHolder.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/cfg/DelayedLogItem.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/async/AsynchronousRunner.java

```

```

* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/NoCleanupCachedStore.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/db/sql/CBPCursor.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/FloatUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/debug/DebugGen.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/identicator/IdHashMap.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/encounter/EqualityEncounterCounter.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/CommandLineParser.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/log/PackageNames.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/sql/filter/FilterConnection.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/holders/VolatileCharHolder.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/io/DirectoryDescentUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/cachedstore/KeyTransformingCachedStore.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/lang/IntegerUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v1/lang/Synchronizer.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/naming/ReferenceableUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/BeangenUtils.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/intfc/ReflectiveDelegationPolicy.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/collection/WrapperIterator.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/IntObjectMap.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/util/IteratorUtils.java
*
/opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v3/decode/CannotDecodeException.java
* /opt/cola/permits/1150964960_1654022928.559134/0/mchange-commons-java-0-2-11-sources-5-
jar/com/mchange/v2/codegen/bean/ExplicitDefaultConstructorGeneratorExtension.java

```

# 1.815 quartz 2.3.0

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```
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/CircularLossyQueue.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/SampledRateCounter.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/CounterManager.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/SampledCounter.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/CounterManagerImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/SampledRateCounterConfig.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/SampledRateCounterImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/CounterImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/utills/counter/Counter.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/TimeStampedCounterValue.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utills/counter/sampled/SampledCounterConfig.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
```

jar/org/quartz/utils/counter/CounterConfig.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/utils/counter/sampled/SampledCounterImpl.java

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\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ScheduleBuilder.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/impl/matchers/GroupMatcher.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/impl/jdbcjobstore/DailyTimeIntervalTriggerPersistenceDelegate.java

\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/CronExpression.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/DisallowConcurrentExecution.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/CronTrigger.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/impl/matchers/NotMatcher.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Matcher.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/CalendarIntervalTrigger.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SimpleTrigger.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/impl/matchers/AndMatcher.java

\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/MutableTrigger.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobBuilder.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/TriggerKey.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/DailyTimeIntervalScheduleBuilder.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

```
jar/org/quartz/JobExecutionException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobKey.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/matchers/EverythingMatcher.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobDetail.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/triggers/CalendarIntervalTriggerImpl.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/DateBuilder.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ListenerManager.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobExecutionContext.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/CronScheduleBuilder.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/matchers/OrMatcher.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/TriggerBuilder.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/SimpleScheduleBuilder.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/ExecuteInJTATransaction.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/TimeOfDay.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/DailyTimeIntervalTrigger.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/PersistJobDataAfterExecution.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/CalendarIntervalScheduleBuilder.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/matchers/KeyMatcher.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/SchedulerConfigException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/triggers/CoreTrigger.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/matchers/NameMatcher.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/matchers/StringMatcher.java
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\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/JobWrapper.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/ClusteredJobStore.java  
\*  
/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/WrapperFactory.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/DefaultWrapperFactory.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/collections/TimeTriggerSet.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/TerracottaJobStoreExtensions.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/TriggerWrapper.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/quartz/Utils/FindbugsSuppressWarnings.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/FiredTrigger.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/quartz/commonj/WorkManagerThreadExecutor.java  
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* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/plugins/interrupt/JobInterruptMonitorPlugin.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/listeners/BroadcastTriggerListener.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/listeners/BroadcastJobListener.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/UpdateLockRowSemaphore.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/listeners/JobChainingJobListener.java
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jar/org/quartz/management/ManagementServer.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/management/ManagementRESTServiceConfiguration.java
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jar/org/terracotta/quartz/TerracottaJobStore.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/TerracottaToolkitBuilder.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/AbstractTerracottaJobStore.java  
\*  
/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/PlainTerracottaJobStore.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/collections/ToolkitDSHolder.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/JobFacade.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/terracotta/quartz/wrappers/TriggerFacade.java  
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\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/quartz/Utils/PoolingConnectionProvider.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/quartz/ee/servlet/QuartzInitializerListener.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-  
jar/org/quartz/impl/DirectSchedulerFactory.java

\*  
/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/utis/DirtyFlagMap.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/StdSchedulerFactory.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/calendar/MonthlyCalendar.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/core/JobRunShell.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/calendar/BaseCalendar.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ee/servlet/QuartzInitializerServlet.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/JobStore.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/core/QuartzSchedulerThread.java  
\*  
/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/ThreadPool.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/calendar/WeeklyCalendar.java  
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Manifest-Version: 1.0  
BuildInfo-Revision: unknown  
Terracotta-ProjectStatus: Supported  
BuildInfo-URL: unknown  
BuildInfo-Host: tc-eng-002  
BuildInfo-User: jenkins-slave  
Terracotta-Description: Enterprise Job Scheduler  
BuildInfo-Timestamp: 20170419-154134  
Terracotta-Name: quartz  
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Found in path(s):  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/META-INF/MANIFEST.MF  
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Found in path(s):

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/Semaphore.java

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Found in path(s):

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/terracotta/quartz/collections/TimeTrigger.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/terracotta/quartz/collections/SerializationHelper.java

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Found in path(s):

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/SimplePropertiesTriggerProperties.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/utils/ClassUtils.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/DefaultThreadExecutor.java

\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/CronTriggerPersistenceDelegate.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/SimplePropertiesTriggerPersistenceDelegateSupport.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-

jar/org/quartz/impl/jdbcjobstore/SimplePropertiesTriggerPersistenceDelegateSupport.java

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jar/org/quartz/impl/jdbcjobstore/SimpleTriggerPersistenceDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/CalendarIntervalTriggerPersistenceDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/SchedulerDetailsSetter.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/TriggerPersistenceDelegate.java
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Found in path(s):

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* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/LockException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/JobExecutionContextImpl.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/InvalidConfigurationException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/ee/jta/UserTransactionHelper.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/SchedulerPlugin.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utils/C3p0PoolingConnectionProvider.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/TriggerUtils.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/UnableToInterruptJobException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/utils/Key.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/ee/jta/JTAJobRunShell.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/helpers/VersionPrinter.java
*
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/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/simpl/RAMJobStore.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Calendar.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/JobPersistenceException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/JobDetailImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Scheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/ZeroSizeThreadPool.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/triggers/DailyTimeIntervalTriggerImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/HSQldbDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/Utils/weblogic/WeblogicConnectionProvider.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/CUBRIDDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/InterruptableJob.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/StdJDBCDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/SimpleJobFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Job.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl>LoadingLoaderClassLoadHelper.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/SimpleThreadPool.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/plugins/management/ShutdownHookPlugin.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/DB2v6Delegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/Utils/DBConnectionManager.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/StdScheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/NoSuchDelegateException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Utils/PropertiesParser.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/ObjectAlreadyExistsException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/xml/ValidationException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/core/QuartzScheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/Trigger.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/ThreadContextClassLoadHelper.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-

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jar/org/quartz/impl/triggers/SimpleTriggerImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/core/JobRunShellFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/spi/InstanceIdGenerator.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/DBSemaphore.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/spi/TriggerFiredBundle.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utils/HikariCpPoolingConnectionProvider.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/core/SchedulerSignalerImpl.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/SchedulerRepository.java
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/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/ee/jta/JTAJobRunShellFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/JobStoreCMT.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/oracle/OracleDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utils/ConnectionProvider.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/PropertySettingJobFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/CascadingClassLoadHelper.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SchedulerContext.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/SimpleClassLoadHelper.java
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/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/RemoteScheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/Constants.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/DB2v7Delegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/JobStoreSupport.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/calendar/HolidayCalendar.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/SybaseDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/DriverDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/FiredTriggerRecord.java
*

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/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/WebLogicDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/HostnameInstanceIdGenerator.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/TriggerListener.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/TimeBroker.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/triggers/AbstractTrigger.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/StdJobRunShellFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/StdJDBCConstants.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/SimpleInstanceIdGenerator.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/triggers/CronTriggerImpl.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/plugins/history/LoggingJobHistoryPlugin.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/JobFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SchedulerException.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/JTANonClusteredSemaphore.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/core/RemotableQuartzScheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/PostgreSQLDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/utils/JNDIConnectionProvider.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/InitThreadContextClassLoaderHelper.java
*
/opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SchedulerListener.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/QuartzServer.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/CacheDelegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/RemoteMBeanScheduler.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
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* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/simpl/SimpleTimeBroker.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SchedulerFactory.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
* /opt/cola/permits/1150985854_1617740653.75/0/quartz-2-3-0-sources-4-
jar/org/quartz/impl/jdbcjobstore/TriggerStatus.java
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/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/Util.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/plugins/xml/XMLSchedulingDataProcessorPlugin.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/MSSQLDelegate.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobListener.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/ClassLoadHelper.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/core/QuartzSchedulerResources.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/spi/SchedulerSignaler.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/JobStoreTX.java  
\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/StatefulJob.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ee/jmx/jboss/QuartzServiceMBean.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/oracle/weblogic/WebLogicOracleDelegate.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/plugins/history/LoggingTriggerHistoryPlugin.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ee/jmx/jboss/QuartzService.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/JobDataMap.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/PointbaseDelegate.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/StdRowLockSemaphore.java  
\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/xml/XMLSchedulingDataProcessor.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/SchedulerStateRecord.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/SimpleSemaphore.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ee/jta/JTAAnnotationAwareJobRunShellFactory.java  
\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/SchedulerMetaData.java  
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\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/terracotta/quartz/DefaultClusteredJobStore.java

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\*/

Found in path(s):

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/AttributeRestoringConnectionInvocationHandler.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/utils/StringKeyDirtyFlagMap.java

\*

/opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/listeners/JobListenerSupport.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/impl/jdbcjobstore/TablePrefixAware.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/plugins/SchedulerPluginWithUserTransactionSupport.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/listeners/SchedulerListenerSupport.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/listeners/TriggerListenerSupport.java

\* /opt/cola/permits/1150985854\_1617740653.75/0/quartz-2-3-0-sources-4-jar/org/quartz/ee/jmx/jboss/JBoss4RMIRemoteMBeanScheduler.java

# 1.816 stax-api 1.0.1

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\*/

Found in path(s):

\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-

```
jar/javax/ws/rs/core/Request.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/RuntimeDelegate.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/ContextResolver.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/FactoryFinder.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ApplicationPath.java
*
/opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/MessageBodyWriter.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/core/StreamingOutput.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/core/Response.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/MessageBodyReader.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/Providers.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/ext/ExceptionMapper.java
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```
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/POST.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Path.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/MatrixParam.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/WebApplicationException.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/DELETE.java
*
/opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-
jar/javax/ws/rs/core/Application.java
* /opt/cola/permits/1150985925_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/GET.java
```

\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Cookie.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/ext/Provider.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/QueryParam.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriBuilderException.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/FormParam.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Produces.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/CacheControl.java  
\*  
/opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Variant.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/MediaType.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/SecurityContext.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Encoded.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/OPTIONS.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriInfo.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/PathSegment.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/Context.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/CookieParam.java  
\*  
/opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/EntityTag.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HttpMethod.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/Consumes.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HEAD.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/HttpHeaders.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/MultivaluedMap.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/UriBuilder.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/DefaultValue.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/PUT.java  
\*  
/opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/HeaderParam.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/NewCookie.java  
\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/PathParam.java  
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Found in path(s):

\* /opt/cola/permits/1150985925\_1654022939.907158/0/jsr311-api-1-1-1-sources-6-jar/javax/ws/rs/core/GenericEntity.java

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 \*  
 \*/

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\* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/management/PooledDataSourceManager.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/JavaBeanRefTest.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/impl/NullStatementSetManagedResultSet.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/C3P0BenchmarkApp.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/resourcepool/ResourcePoolEventSupport.java  
 \*  
 /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/PoolConfig.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/stmt/PerConnectionMaxOnlyStatementCache.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/AbstractConnectionTester.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/OneThreadRepeatedInsertOrQueryTest.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/impl/IdentityTokenized.java



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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/cfg/C3P0ConfigFinder.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/PoolBackedDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/example/IsValidOnlyConnectionTester30.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/EventSupportingResourcePool.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/filter/FilterDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/JndiLookupTest.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/AbstractConnectionCustomizer.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/SetManagedResultSet.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/off/servlet/C3P0StatusServlet.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/DriverManagerDataSourceFactory.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/DbAuth.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/junit/MarshallUnmarshallDataSourcesJUnitTestCase.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/PooledDataSourceManagerMBean.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/InternalPooledConnection.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/util/ConnectionEventSupport.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/C3P0JavaBeanObjectFactory.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/C3P0RegistryManagerMBean.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/GooGooStatementCache.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/WrapperConnectionPoolDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/codegen/BeangenDataSourceGenerator.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/DefaultConnectionTester.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/MemoryCoalescedStatementCacheKey.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-

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jar/com/mchange/v2/c3p0/PooledDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/ProxyResultSetDetachable.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/GlobalMaxOnlyStatementCache.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/InterruptedBatchTest.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/cfg/C3P0ConfigXmlUtils.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/cfg/NamedScope.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/PoolBackedDataSourceFactory.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/SetManagedDatabaseMetaData.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/DynamicPooledDataSourceManagerMBean.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/example/InitSqlConnectionCustomizer.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/AbstractComboPooledDataSource.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/C3P0Defaults.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/FreezableDriverManagerDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/ResourcePoolFactory.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/AuthMaskingProperties.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/ResourcePoolException.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/ActiveManagementCoordinator.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/util/CloseReportingConnectionWrapper.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/AbstractC3P0PooledConnection.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/cfg/C3P0Config.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/ListTablesTest.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/IdentityTokenResolvable.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/StatsTest.java

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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/debug/ConstructionLoggingComboPooledDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/LoadPoolBackedDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/TestRefSerStuff.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/C3P0PooledConnection.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/jboss/C3P0PooledDataSourceMBean.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/NullManagementCoordinator.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/ResourcePoolUtils.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/util/TestUtils.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/DataSources.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/util/IsValidOnlyConnectionTester.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/cfg/DefaultC3P0ConfigFinder.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/ConnectionDispersionTest.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/util/StatementEventSupport.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/TestConnectionCustomizer.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/DriverManagerDataSource.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/C3P0Registry.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/codegen/JdbcProxyGenerator.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/IndiRefConnectionPoolDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/jboss/C3P0PooledDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-

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jar/com/mchange/v2/c3p0/test/AlwaysFailDataSource.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/mbean/C3P0PooledDataSource.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/SQLWarnings.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
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 \*  
 /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/junit/C3P0JUnitTestCaseBase.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/impl/C3P0PooledConnectionPoolManager.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/resourcepool/NoGoodResourcesException.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/JndiBindTest.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/stmt/StatementCacheBenchmark.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/JndiRefForwardingDataSource.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/AlwaysFailConnectionTester.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/C3P0ProxyStatement.java  
 \*  
 /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/stmt/StatementCacheKey.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/test/RawConnectionOpTest.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/ConnectionCustomizer.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/resourcepool/CannotAcquireResourceException.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/mbean/C3P0PooledDataSourceMBean.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/debug/AfterCloseLoggingComboPooledDataSource.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/resourcepool/ResourcePool.java  
 \*  
 /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/debug/CloseLoggingComboPooledDataSource.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/FullQueryConnectionTester.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/management/C3P0RegistryManager.java  
 \* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
 jar/com/mchange/v2/c3p0/QueryConnectionTester.java

```

* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
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* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/debug/AfterCloseLoggingConnectionWrapper.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/BasicResourcePoolFactory.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/codegen/UnsupportedParentLoggerGeneratorExtension.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/ResourcePoolEvent.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/management/ManagementCoordinator.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/NewPooledConnection.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/SnatchFromSetResultSet.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/AbstractIdentityTokenized.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/test/PSLoadPoolBackedDataSource.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/SimpleStatementCacheKey.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/debug/CloseLoggingConnectionWrapper.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/DoubleMaxStatementCache.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/TimeoutException.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/stmt/ValueIdentityStatementCacheKey.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/ResourcePoolListener.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/subst/C3P0Substitutions.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/UnifiedConnectionTester.java
*
/opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/codegen/C3P0ImplUtilsParentLoggerGeneratorExtension.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/C3P0ImplUtils.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/resourcepool/BasicResourcePool.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-
jar/com/mchange/v2/c3p0/impl/IdentityTokenizedCoalesceChecker.java
* /opt/cola/permits/1150985920_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-

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jar/com/mchange/v2/c3p0/test/junit/ConnectionPropertiesResetJUnitTestCase.java  
\* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
jar/com/mchange/v2/c3p0/stmt/StatementCache.java  
\* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
jar/com/mchange/v2/c3p0/cfg/C3P0ConfigUtils.java  
\* /opt/cola/permits/1150985920\_1654022816.8854094/0/c3p0-0-9-5-2-sources-3-  
jar/com/mchange/v2/c3p0/test/ProxyWrappersTest.java

# 1.821 httpcomponents-core 4.4.10

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## 1.822 jaxb-runtime 2.3.0

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jar/com/sun/xml/bind/v2/runtime/reflect/opt/package-info.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/reflect/package-info.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/bytecode/package-info.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/model/annotation/package-info.java  
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 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/Messages\_ko.properties  
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jar/com/sun/xml/bind/v2/model/impl/Messages\_zh\_TW.properties  
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 \* holder.  
 \*/  
 // NO WARRANTY! This class is in the public domain.  
 /\*\*  
 \* Default implementation of the Attributes interface.  
 \*  
 \* <blockquote>  
 \* <em>This module, both source code and documentation, is in the  
 \* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>  
 \* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>  
 \* for further information.  
 \* </blockquote>  
 \*  
 \* <p>This class provides a default implementation of the SAX2  
 \* { @link org.xml.sax.Attributes Attributes } interface, with the  
 \* addition of manipulators so that the list can be modified or  
 \* reused.</p>

```

*
* <p>There are two typical uses of this class:</p>
*
* <ol>
* <li>to take a persistent snapshot of an Attributes object
* in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
* <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
* </ol>
*
* <p>This class replaces the now-deprecated SAX1 { @link
* org.xml.sax.helpers.AttributeListImpl
* AttributeListImpl }
* class; in addition to supporting the updated Attributes
* interface rather than the deprecated { @link org.xml.sax.AttributeList
* AttributeList } interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
*
* @since JAXB 1.0
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/

```

Found in path(s):

```

* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/util/AttributesImpl.java

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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/XmlElementRefsQuick.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RegistryInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/XmlElementQuick.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/MimeTypedTransducer.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeAttributePropertyInfo.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/NamespaceContextImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/SingleMapNodeProperty.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/DatatypeConverterImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor\_Double.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Patcher.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/AttributeAccessor.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor\_Long.java

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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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jar/com/sun/xml/bind/v2/model/annotation/RuntimeInlineAnnotationReader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/TypeHost.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/util/ByteArrayOutputStreamEx.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_field_Long.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/Quick.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/SingleTypePropertyInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/StAXPostInitAction.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Element.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/ClassBeanInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_field_Short.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/Transducer.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/NamespaceContext2.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexContent.java

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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/JaxBeanInfo.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/ArrayReferenceNodeProperty.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleTypeHost.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/api/ClassResolver.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/LeafInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/Coordinator.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/ArrayElementNodeProperty.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeAnyTypeImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/DefaultTransducedAccessor.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/ReferencePropertyInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor\_Float.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/StAXExStreamWriterOutput.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Discarder.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/api/package-info.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/IntData.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/MTOMXmlOutput.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/FixedOrDefault.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/util/StackRecorder.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/NameBuilder.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/EnumLeafInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/PropertySeed.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/AnyTypeBeanInfo.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-

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jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListFloat.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/property/UnmarshallerChain.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/XmlElementDeclQuick.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/DefaultValueLoaderDecorator.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor_Character.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/output/ForkXmlOutput.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/Const.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListBoolean.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Wildcard.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/StAXStreamConnector.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/RuntimeAnnotationReader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/Receiver.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/output/IndentingUTF8XmlOutput.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/runtime/RuntimeElementPropertyInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/LeafBeanInfoImpl.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/output/XMLEventWriterOutput.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/ValidationEventLocatorEx.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/FieldPropertySeed.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/DefaultIDResolver.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/ContentModelContainer.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/util/QNameMap.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/runtime/RuntimeTypeInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/RuntimeTypeInfoSetImpl.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/AdaptedAccessor.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/package-info.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LeafPropertyXsiLoader.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeAttributePropertyInfoImpl.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/TypeInfoSetImpl.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_field\_Boolean.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Base64Data.java  
\*  
/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/AttributeType.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/LifecycleMethods.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ExtensionType.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Annotation.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Occurs.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/XMLStreamWriterOutput.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/ERPropertyInfoImpl.java  
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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/StAXConnector.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LeafPropertyLoader.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/marshaller/NioEscapeHandler.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/BinderImpl.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/StAXEventConnector.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/DOMOutput.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/UTF8XmlOutput.java  
\*  
/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/XmlValueQuick.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/ArrayBeanInfoImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_field\_Float.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/XmlRootElementQuick.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListShort.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/LocatableAnnotation.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/ContentHandlerAdaptor.java  
 \*  
 /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeClassInfo.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_method\_Long.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor\_Ref.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/Tree.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/util/FatalAdapter.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/AttributePropertyInfoImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/InlineBinaryTransducer.java  
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 /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ChildLoader.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/TagAndType.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/SchemaTypeTransducer.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexTypeModel.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ExplicitGroup.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListLong.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/TypeInfoImpl.java  
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 /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/InternalBridge.java  
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jar/com/sun/xml/bind/v2/runtime/unmarshaller/MTOMDecorator.java
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListByte.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/property/SingleElementNodeProperty.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/NameList.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/XmlVisitor.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/output/SAXOutput.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/runtime/RuntimeElementInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/SecureLoader.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/XmlSchemaQuick.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/util/TypeCast.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/RuntimeValuePropertyInfoImpl.java

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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/UnmarshallerImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/EnumConstantImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor\_Double.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/marshaller/NamespacePrefixMapper.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/NestedParticle.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/GetterSetterPropertySeed.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor\_Short.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeArrayInfo.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/api/Messages.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/ListTransducedAccessorImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_field\_Double.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/FastInfosetStreamWriterOutput.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/AdaptedLister.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/AbstractInlineAnnotationReaderImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/AttrDecls.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeBuiltinLeafInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/NullSafeAccessor.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ValidatingUnmarshaller.java

\*

/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/XMLTransientQuick.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeElementPropertyInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/Messages.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/annotation/Messages.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-

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jar/com/sun/xml/bind/AnyTypeAdapter.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/MethodLocatable.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/StructureLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Documentation.java
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/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/List.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/ElementPropertyInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/SecureLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/ValueListBeanInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/CycleRecoverable.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/GroupKind.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/Init.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexExtension.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Ref.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/RuntimeEnumLeafInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/runtime/RuntimeEnumLeafInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/InternalAccessorFactory.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_field_Byte.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/CompositeStructureBeanInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/property/PropertyImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/ProxyLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleDerivation.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/MultiMap.java

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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimePropertyInfo.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/LocalAttribute.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/Messages.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/JAXBContextImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/Util.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_method\_Byte.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/package-info.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/XMLSerializer.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/ListElementProperty.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/Form.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeMapPropertyInfoImpl.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Interceptor.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeLeafInfo.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/Injector.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/property/SingleReferenceNodeProperty.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_method\_Integer.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeClassInfoImpl.java

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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/opt/OptimizedAccessorFactory.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/Pcdata.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/api/JAXBRIContext.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/unmarshaller/XsiNilLoader.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleRestrictionModel.java

\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-

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jar/com/sun/xml/bind/v2/runtime/unmarshaller/WildcardLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/Util.java
*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/api/AccessorException.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Particle.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Integer.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_method_Short.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Union.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/runtime/RuntimeValuePropertyInfo.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/TopLevelElement.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor_Integer.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_method_Double.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleContent.java

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/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/InterningXmlVisitor.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/ArrayInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/DomLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/FoolProofResolver.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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*
/opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/runtime/unmarshaller/XsiTypeLoader.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/impl/RuntimeReferencePropertyInfoImpl.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexType.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
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* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/ContextFactory.java
* /opt/cola/permits/1150996732_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-
jar/com/sun/xml/bind/v2/model/annotation/XmlAttributeQuick.java
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/opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/schemagen/xmlschema/NoFixedFacet.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/MarshallerImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/ElementBeanInfoImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/reflect/Listener.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor\_Character.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_method\_Boolean.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/unmarshaller/FastInfosetConnector.java  
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 /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/property/ArrayERProperty.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/unmarshaller/TagName.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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 jar/com/sun/xml/bind/v2/runtime/reflect/opt/AccessorInjector.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
 jar/com/sun/xml/bind/v2/runtime/property/ValueProperty.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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jar/com/sun/xml/bind/IDResolver.java  
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jar/com/sun/xml/bind/v2/schemagen/xmlschema/TopLevelAttribute.java  
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jar/com/sun/xml/bind/v2/runtime/property/SingleElementLeafProperty.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/model/annotation/XmlEnumQuick.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/output/SecureLoader.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/schemagen/Messages.java  
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jar/com/sun/xml/bind/v2/runtime/output/C14nXmlOutput.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/api/RawAccessor.java  
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jar/com/sun/xml/bind/v2/model/runtime/RuntimeMapPropertyInfo.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/model/runtime/RuntimeTypeInfoSet.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor\_field\_Integer.java  
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jar/com/sun/xml/bind/v2/runtime/unmarshaller/StAXExConnector.java



\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/RuntimeEnumConstantImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/DummyPropertyInfo.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/output/XmlOutputAbstractImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeBuiltinLeafInfo.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListerInteger.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/XmlSchemaGenerator.java  
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 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/PropertyInfoImpl.java  
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 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SchemaTop.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/ClassInfoImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/util/CollisionCheckStack.java  
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 /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeNonElementRef.java  
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 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/runtime/RuntimeTypeRef.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexTypeHost.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/BuiltinLeafInfoImpl.java  
 \* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-jar/com/sun/xml/bind/v2/model/impl/Messages.java  
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jar/com/sun/xml/bind/XmlAccessorFactory.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/model/impl/ElementInfoImpl.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/bytecode/SecureLoader.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/output/package-info.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/schemagen/xmlschema/Redefinable.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/unmarshaller/AttributesExImpl.java  
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jar/com/sun/xml/bind/v2/runtime/reflect/opt/Bean.java  
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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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jar/com/sun/xml/bind/v2/runtime/property/AttributeProperty.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/v2/runtime/unmarshaller/TextLoader.java  
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jar/com/sun/xml/bind/v2/model/impl/Utils.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
jar/com/sun/xml/bind/api/Utils.java  
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jar/com/sun/xml/bind/v2/runtime/reflect/Utils.java  
\* /opt/cola/permits/1150996732\_1654022864.9866693/0/jaxb-impl-2-3-0-sources-9-  
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/\*\*

\* Sets the int[] data to this object.

\*

\* <p>

\* This method doesn't make a copy for a performance reason.

\* The caller is still free to modify the array it passed to this method,

\* but he should do so with a care. The unmarshalling code isn't expecting

\* the value to be changed while it's being routed.

\*/

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jar/com/sun/xml/bind/v2/runtime/unmarshaller/IntArrayData.java

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/**
 * A Base64 encoder/decoder.
 *
 * <p>
 * This class is used to encode and decode data in Base64 format as described in
 * RFC 1521.
 *
 * <p>
 * Project home page: <a
 * href="http://www.source-code.biz/base64coder/java/">www.
 * source-code.biz/base64coder/java</a><br>
 * Author: Christian d'Heureuse, Inventec Informatik AG, Zurich, Switzerland<br>
 * Multi-licensed: EPL / LGPL / GPL / AL / BSD.
 */
```

Found in path(s):

\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-jar/org.yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java

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/* Copyright (c) 2008 Google Inc.
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*
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Found in path(s):

\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java  
\*  
/opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/PercentEscaper.java  
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Found in path(s):

\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/constructor/ConstructorException.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/util/ArrayUtils.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/events/ScalarEvent.java  
\*  
/opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/tokens/TagToken.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/emitter/EmitterState.java

\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/StreamStartToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/emitter/EmitterException.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/KeyToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 jar/org/yaml/snakeyaml/parser/VersionTagsTuple.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/reader/StreamReader.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/nodes/CollectionNode.java  
 \*  
 /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/ValueToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/reader/UnicodeReader.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-



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jar/org/yaml/snakeyaml/scanner/SimpleKey.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/ScalarToken.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/introspector/BeanAccess.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/BlockSequenceStartToken.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/resolver/Resolver.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/Yaml.java
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/opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/scanner/Constant.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/parser/ParserException.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/Token.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/introspector/PropertyUtils.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/resolver/ResolverTuple.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/introspector/GenericProperty.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/FlowMappingEndToken.java
*
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jar/org/yaml/snakeyaml/tokens/WhitespaceToken.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/events/AliasEvent.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/constructor/Constructor.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/DumperOptions.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/error/YAMLErrorException.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/TagTuple.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/representer/Represent.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/events/ImplicitTuple.java
*
/opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/emitter/Emitter.java

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\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/events/DocumentStartEvent.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/events/NodeEvent.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/parser/ParserImpl.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/util/UriEncoder.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/AnchorToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/events/MappingEndEvent.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/representer/Representer.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java  
 \*  
 /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/BlockEndToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/tokens/CommentToken.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/util/ArrayStack.java  
 \* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
 jar/org/yaml/snakeyaml/scanner/ScannerException.java  
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 jar/org/yaml/snakeyaml/events/CollectionEndEvent.java  
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 jar/org/yaml/snakeyaml/constructor/BaseConstructor.java  
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 jar/org/yaml/snakeyaml/util/PlatformFeatureDetector.java  
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 jar/org/yaml/snakeyaml/parser/Production.java

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jar/org/yaml/snakeyaml/constructor/CustomClassLoaderConstructor.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/serializer/SerializerException.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/serializer/Serializer.java  
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jar/org/yaml/snakeyaml/reader/ReaderException.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/tokens/DirectiveToken.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/representer/SafeRepresenter.java  
\*  
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jar/org/yaml/snakeyaml/events/StreamStartEvent.java  
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jar/org/yaml/snakeyaml/nodes/NodeTuple.java  
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\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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jar/org/yaml/snakeyaml/tokens/StreamEndToken.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/nodes/NodeId.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/error/MarkedYAMLException.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
jar/org/yaml/snakeyaml/LoaderOptions.java  
\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-  
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\* /opt/cola/permits/1150997427\_1654022970.1301146/0/snakeyaml-1-24-sources-7-

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jar/org/yaml/snakeyaml/tokens/FlowEntryToken.java
*
/opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/composer/ComposerException.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/introspector/PropertySubstitute.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/scanner/ScannerImpl.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/AliasToken.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/representer/BaseRepresenter.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/introspector/Property.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java
*
/opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/events/MappingStartEvent.java
* /opt/cola/permits/1150997427_1654022970.1301146/0/snakeyaml-1-24-sources-7-
jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java
```

# 1.824 txw2 2.3.0

## 1.824.1 Available under license :

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Found in path(s):

\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/META-INF/maven/org.glassfish.jaxb/txw2/pom.xml  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/package.html  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/package.html  
\* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/annotation/package.html

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Found in path(s):

- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/StreamSerializer.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/TXW.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/DumbEscapeHandler.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Cdata.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/NamespaceDecl.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Text.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/EndTag.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/output/XmlSerializer.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/StartTag.java
- \*
- /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Content.java
- \* /opt/cola/permits/1151030406\_1654022967.9565017/0/txw2-2-3-0-sources-4-

```

jar/com/sun/xml/txw2/DatatypeWriter.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/DomSerializer.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/Document.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Attribute.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/annotation/XMLElement.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/SaxSerializer.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/DelegatingXMLStreamWriter.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/TXWSerializer.java
*
/opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-jar/com/sun/xml/txw2/Pcdata.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/CharacterEscapeHandler.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/annotation/XMLAttribute.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/StaxSerializer.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/EndDocument.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/annotation/XMLCDATA.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/ContentVisitor.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/IndentingXMLStreamWriter.java
*
/opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/ResultFactory.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/TXWResult.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/IndentingXMLFilter.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/annotation/XMLNamespace.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/TypedXmlWriter.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/TxwException.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/ContainerElement.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/NamespaceResolver.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-

```

```
jar/com/sun/xml/txw2/output/DataWriter.java
*
/opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/StartDocument.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/annotation/XmlValue.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/DumpSerializer.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/IllegalAnnotationException.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/IllegalSignatureException.java
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/Comment.java
```

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*/
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/**
* Encapsulate Namespace logic for use by applications using SAX,
* or internally by SAX drivers.
*
* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
* for further information.
* </blockquote>
*
* <p>This class encapsulates the logic of Namespace processing: it
* tracks the declarations currently in force for each context and
* automatically processes qualified XML names into their Namespace
* parts; it can also be used in reverse for generating XML qnames
* from Namespaces.</p>
*
* <p>Namespace support objects are reusable, but the reset method
* must be invoked between each session.</p>
*
* <p>Here is a simple session:</p>
*
* <pre>
* String parts[] = new String[3];
* NamespaceSupport support = new NamespaceSupport();
*
* support.pushContext();
* support.declarePrefix("", "http://www.w3.org/1999/xhtml");
* support.declarePrefix("dc", "http://www.purl.org/dc#");
*
* parts = support.processName("p", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);
*
* parts = support.processName("dc:title", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);

```

```
*
* support.popContext();
* </pre>
*
* <p>Note that this class is optimized for the use case where most
* elements do not contain Namespace declarations: if the same
* prefix/URI mapping is repeated for each context (for example), this
* class will be somewhat less efficient.</p>
*
* <p>Although SAX drivers (parsers) may choose to use this class to
* implement namespace handling, they are not required to do so.
* Applications
* must track namespace information themselves if they
* want to use namespace information.
*
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/
```

Found in path(s):

```
* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/NamespaceSupport.java
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* /opt/cola/permits/1151030406_1654022967.9565017/0/txw2-2-3-0-sources-4-
jar/com/sun/xml/txw2/output/XMLWriter.java
```

# 1.825 xml-commons-resolver 1.2

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## 1.826 jackson-mapper-asl 1.9.2

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\*/opt/cola/permits/1151170835\_1617802172.32/0/jackson-mapper-asl-1-9-2-sources-6-jar/org/codehaus/jackson/map/MappingJsonFactory.java

## 1.827 jackson 1.9.2

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## 1.828 log4j-over-slf4j 1.7.7

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```
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/LoggerRepository.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/Filter.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Priority.java
*
/opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/xml/DOMConfigurator.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-jar/org/apache/log4j/Level.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/SimpleLayout.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/ErrorHandler.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Logger.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-jar/org/apache/log4j/MDC.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/LogManager.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/LoggingEvent.java
*
/opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/AppenderSkeleton.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-jar/org/apache/log4j/NDC.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/FileAppender.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
```

```
jar/org/apache/log4j/BasicConfigurator.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/Layout.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Log4jLoggerFactory.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Category.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/WriterAppender.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/ConsoleAppender.java
*
/opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/helpers/LogLog.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/RollingFileAppender.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/LoggerFactory.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/OptionHandler.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Layout.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/PatternLayout.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/Appender.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/Configurator.java
*
/opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/PropertyConfigurator.java
* /opt/cola/permits/1151187855_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-
jar/org/apache/log4j/spi/HierarchyEventListener.java
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\* /opt/cola/permits/1151187855\_1617805330.49/0/log4j-over-slf4j-1-7-7-sources-6-jar/org/apache/log4j/helpers/NullEnumeration.java

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# 1.830 hppc 0.5.4

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Found in path(s):

\* /opt/cola/permits/1173334255\_1623567995.15/0/hppc-0-5-4-sources-3-jar/com/carrotsearch/hppc/BitSet.java  
\*  
/opt/cola/permits/1173334255\_1623567995.15/0/hppc-0-5-4-sources-3-jar/com/carrotsearch/hppc/BitUtil.java  
\* /opt/cola/permits/1173334255\_1623567995.15/0/hppc-0-5-4-sources-3-jar/com/carrotsearch/hppc/BitSetIterator.java

# 1.831 spring-plugin-metadata 1.2.0.RELEASE

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 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5-
jar/org/springframework/plugin/metadata/MetadataProvider.java
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5-
jar/org/springframework/plugin/metadata/PluginMetadata.java
```

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 */
```

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```
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5-
jar/org/springframework/plugin/metadata/AbstractMetadataBasedPlugin.java
```

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 */
```

Found in path(s):

```
* /opt/cola/permits/1177939708_1625570687.46/0/spring-plugin-metadata-1-2-0-release-sources-5-
jar/org/springframework/plugin/metadata/SimplePluginMetadata.java
```

# 1.832 spring-plugin-core 1.2.0.RELEASE

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```

Found in path(s):

```
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
jar/org/springframework/plugin/core/OrderAwarePluginRegistry.java
* /opt/cola/permits/1177939664_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-
```

jar/org/springframework/plugin/core/config/PluginListDefinitionParser.java

\*

/opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/config/PluginNamespaceHandler.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/PluginRegistry.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/support/AbstractTypeAwareSupport.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/support/PluginRegistryFactoryBean.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/SimplePluginRegistry.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/Plugin.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/config/PluginRegistryDefinitionParser.java

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\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/config/PluginRegistriesBeanDefinitionRegistrar.java

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/PluginRegistrySupport.java

\*

/opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-

jar/org/springframework/plugin/core/config/EnablePluginRegistries.java

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Found in path(s):

\* /opt/cola/permits/1177939664\_1625570679.69/0/spring-plugin-core-1-2-0-release-sources-6-jar/org/springframework/plugin/core/support/BeanListFactoryBean.java

## 1.833 jctools-core 3.0.0

### 1.833.1 Available under license :

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Manifest-Version: 1.0

Bnd-LastModified: 1578049665284

Build-Jdk: 1.8.0\_232

Built-By: yak

Bundle-Description: Java Concurrency Tools Core Library

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Java Concurrency Tools Core Library

Bundle-SymbolicName: org.jctools.core

Bundle-Version: 3.0.0

Created-By: Apache Maven Bundle Plugin

Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0";uses="sun.misc",org.jctools.queues;version="3.0.0";uses="org.jctools.queues.spec",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0";uses="org.jctools.queues,org.jctools.queues.spec"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-4.2.0.201903051501

Found in path(s):

\* /opt/cola/permits/1177956791\_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/MANIFEST.MF

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<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

```
<modelVersion>4.0.0</modelVersion>

<artifactId>jctools-core</artifactId>
<groupId>org.jctools</groupId>
<version>3.0.0</version>
<name>Java Concurrency Tools Core Library</name>
<description>Java Concurrency Tools Core Library</description>
<packaging>bundle</packaging>

<dependencies>
<dependency>
  <groupId>org.hamcrest</groupId>
  <artifactId>hamcrest-all</artifactId>
  <version>${hamcrest.version}</version>
  <scope>test</scope>
</dependency>

<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
<version>${junit.version}</version>
<scope>test</scope>
</dependency>

<dependency>
<groupId>com.google.guava</groupId>
<artifactId>guava-testlib</artifactId>
<version>${guava-testlib.version}</version>
<scope>test</scope>
</dependency>
</dependencies>
<build>
<plugins>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-surefire-plugin</artifactId>
  <version>3.0.0-M3</version>
  <configuration>
  <includes>
    <include>*</include>
  </includes>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.felix</groupId>
  <artifactId>maven-bundle-plugin</artifactId>
  <version>4.2.1</version>
  <extensions>>true</extensions>
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```

<configuration>
  <instructions>
    <Import-Package>sun.misc;resolution:=optional</Import-Package>
  </instructions>
</configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.2.0</version>
  <executions>
    <execution>
      <id>attach-sources</id>
      <phase>verify</phase>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>3.1.1</version>
  <configuration>
    <additionalOptions>
      <additionalOption>-Xdoclint:none</additionalOption>
    </additionalOptions>
    <source>8</source>
  </configuration>
  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>
</plugins>
</build>

<distributionManagement>
  <repository>
    <id>bintray-jctools-jctools</id>
    <name>jctools-jctools</name>
    <url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>
  </repository>

```

```
</distributionManagement>

<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

<licenses>
<license>
  <name>Apache
License, Version 2.0</name>
  <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  <distribution>repo</distribution>
</license>
</licenses>

<scm>
<url>https://github.com/JCTools/JCTools</url>
<connection>scm:git:https://github.com/JCTools/JCTools</connection>
<tag>HEAD</tag>
</scm>

<developers>
<developer>
  <url>https://github.com/nitsanw</url>
</developer>
<developer>
  <url>https://github.com/mjpt777</url>
</developer>
<developer>
  <url>https://github.com/RichardWarburton</url>
</developer>
<developer>
  <url>https://github.com/kay</url>
</developer>
<developer>
  <url>https://github.com/franz1981</url>
</developer>
</developers>

<prerequisites>
<maven>3.5.0</maven>
</prerequisites>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<java.version>1.6</java.version>
<java.test.version>1.8</java.test.version>

<maven.compiler.source>${java.version}</maven.compiler.source>
```

```
<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>
```

Found

in path(s):

\* /opt/cola/permits/1177956791\_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

# 1.834 hikaricp 2.3.13

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Found in path(s):

\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/metrics/CodahaleHealthChecker.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/PoolBagEntry.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/util/ICurrentBagEntry.java

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\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/proxy/StatementProxy.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/proxy/ClosedConnection.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/HikariPoolMXBean.java  
\*  
/opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/hibernate/HikariConfigurationUtil.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/IConnectionCustomizer.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/HikariDataSource.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/HikariMBeanElf.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/HikariConfigMXBean.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/proxy/PreparedStatementProxy.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/util/PropertyBeanSetter.java  
\*  
/opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/proxy/CallableStatementProxy.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/util/UtilityElf.java

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\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/HikariJNDIFactory.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/BaseHikariPool.java  
\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/metrics/CodaHaleMetricsTracker.java  
\*

/opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/HikariPool.java

\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/metrics/MetricsTracker.java

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\*/

Found in path(s):

\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/util/FastList.java

\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/util/Java6ConcurrentBag.java

```
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/DriverDataSource.java
*
/opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/ConcurrentBag.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/ClassLoaderUtils.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/proxy/ConnectionProxy.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/proxy/ResultSetProxy.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/proxy/IHikariConnectionProxy.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/IBagStateListener.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/pool/GlobalPoolLock.java
*
/opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/proxy/ProxyFactory.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/pool/LeakTask.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/AbstractHikariConfig.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/HikariConfig.java
* /opt/cola/permits/1184455681_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-
jar/com/zaxxer/hikari/util/DefaultThreadFactory.java
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\* /opt/cola/permits/1184455681\_1627567242.79/0/hikaricp-java6-2-3-13-sources-5-jar/com/zaxxer/hikari/pool/PoolInitializationException.java

# 1.835 go-restful v2.9.5+incompatible

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el

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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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## 1.841 javax-annotation-api 1.3.2

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Found in path(s):

\* /opt/cola/permits/1278352646\_1645804613.94/0/jar-files-zip/jchronic-0-2-8-jar/META-INF/maven/com.rubiconproject.oss/jchronic/pom.xml

## 1.843 jackson-xc 2.9.8

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## 1.844 jetty 9.4.16.v20190411

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\* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

\* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

\* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

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## Oracle OpenJDK

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\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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## OW2

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org.ow2.asm:asm-commons

org.ow2.asm:asm

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## Apache

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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## MortBay

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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## 1.845 jetty-util 9.4.16.v20190411

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Eclipse

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- \* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

- \* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- \* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- \* javax.servlet:javax.servlet-api
- \* javax.annotation:javax.annotation-api
- \* javax.transaction:javax.transaction-api
- \* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- \* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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# 1.846 jetty-servlets 9.4.16.v20190411

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\* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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\* org.eclipse.jetty.orbit:javax.security.auth.message



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\* org.eclipse.jetty.orbit:javafx.mail.glassfish

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Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

\* javax.servlet:javax.servlet-api

\* javax.annotation:javax.annotation-api

\* javax.transaction:javax.transaction-api

\* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

\* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons

org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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## MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api  
org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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\* /opt/cola/permits/1320330290\_1651524963.22/0/stateless4j-2-5-0-sources-7-jar/com/github/oxo42/stateless4j/delegates/FuncBoolean.java  
\* /opt/cola/permits/1320330290\_1651524963.22/0/stateless4j-2-5-0-sources-7-jar/com/github/oxo42/stateless4j/OutVar.java

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## 1.853 jwalterweatherman 1.1.0

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## 1.858 color 1.9.0

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## 1.862 go-colorable 0.1.6

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## 1.864 go-immutable-radix 1.2.0

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## 1.867 jaxb-core 2.3.0

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jar/com/sun/xml/bind/v2/schemagen/episode/Package.java

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jar/com/sun/xml/bind/marshaller/XMLWriter.java
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jar/com/sun/xml/bind/Messages_de.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_zh_TW.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_zh_CN.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_it.properties
*
```



```
/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_pt_BR.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_ko.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_ja.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_fr.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/Messages_es.properties
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jar/com/sun/xml/bind/v2/Messages_zh_CN.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/marshaller/Messages_ja.properties
*
/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
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jar/com/sun/xml/bind/v2/Messages_pt_BR.properties
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
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* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/Messages_it.properties
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jar/com/sun/xml/bind/marshaller/Messages_it.properties
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/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/Messages_es.properties
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jar/com/sun/xml/bind/v2/Messages\_ja.properties  
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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-  
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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-  
jar/com/sun/xml/bind/marshaller/Messages\_fr.properties  
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/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-  
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jar/com/sun/xml/bind/marshaller/Messages\_es.properties  
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jar/com/sun/xml/bind/v2/model/core/ReferencePropertyInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-  
jar/com/sun/xml/bind/v2/runtime/RuntimeUtil.java  
\*  
/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-  
jar/com/sun/xml/bind/v2/Messages.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-

```

jar/com/sun/xml/bind/api/EventListener.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/TODO.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/Element.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/MapPropertyInfo.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/BuiltinLeafInfo.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/nav/WildcardTypeImpl.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/annotation/AnnotationReader.java
*
/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/annotation/AnnotationSource.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/annotation/Locatable.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/WildcardMode.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/ErrorHandler.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/nav/ParameterizedTypeImpl.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/TypeRef.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/NonElement.java
*
/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/marshaller/DumbEscapeHandler.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/api/impl/NameConverter.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/nav/SecureLoader.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/runtime/Location.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/util/Which.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/ElementInfo.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/v2/model/core/PropertyInfo.java
* /opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/annotation/OverrideAnnotationOf.java
*
/opt/cola/permits/1334904536_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-
jar/com/sun/xml/bind/api/impl/NameUtil.java

```

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/unmarshaller/DOMScanner.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/EnumConstant.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/MaybeElement.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LocatorEx.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/NonElementRef.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/ClassInfo.java

\*

/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/RegistryInfo.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/TypeInfo.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/Bindings.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/package-info.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/Ref.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/util/SecureLoader.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/Locatable.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/Adapter.java

\*

/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/Navigator.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/runtime/IllegalAnnotationException.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/WhiteSpaceProcessor.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/CharacterEscapeHandler.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/MinimumEscapeHandler.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/Klass.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/util/EditDistance.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/util/FlattenIterator.java

\*

/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/schemagen/episode/SchemaBindings.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/DataWriter.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/SAX2DOMEx.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/EnumLeafInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/runtime/SwaRefAdapterMarker.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/AttributePropertyInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/WellKnownNamespace.java  
\*  
/opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/PropertyKind.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/WildcardTypeInfo.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/package-info.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/annotation/XmlLocation.java  
\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/core/ID.java

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\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/marshaller/NoEscapeHandler.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/impl/ModelBuilderI.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/nav/package-info.java

\* /opt/cola/permits/1334904536\_1653676449.1070127/0/jaxb-core-2-3-0-sources-10-jar/com/sun/xml/bind/v2/model/util/ArrayInfoUtil.java

# 1.868 istack-commons 3.0.5

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\* `/opt/cola/permits/1334904685_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-  
INF/maven/com.sun.istack/istack-commons-runtime/pom.xml`

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Manifest-Version: 1.0

Bundle-Description: istack common utility code

Implementation-Title: istack common utility code runtime

Bundle-License: [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html), [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html)

Bundle-SymbolicName: com.sun.istack.commons-runtime

Implementation-Version: 3.0.5

Built-By: build

Bnd-LastModified: 1486772850426

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: com.sun.istack  
Bundle-DocURL: http://www.oracle.com/  
Bundle-Vendor: Oracle Corporation  
Import-Package: javax.activation,javax.xml.namespace,javax.xml.stream,  
org.xml.sax,org.xml.sax.helpers  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"  
Tool: Bnd-3.2.0.201605172007  
Implementation-Vendor: Oracle Corporation  
Export-Package: com.sun.istack;uses:="javax.activation,javax.xml.strea  
m,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.log  
ging;version="3.0.5",com.sun.istack.localization;version="3.0.5"  
Bundle-Name:  
istack common utility code runtime  
Bundle-Version: 3.0.5  
Implementation-Build-Id: tags/istack-commons-3.0.5-321, 2017-02-11T01:  
27:24+0100  
Created-By: Apache Maven Bundle Plugin  
Build-Jdk: 1.8.0\_112

Found in path(s):

\* /opt/cola/permits/1334904685\_1653676440.7415743/0/istack-commons-runtime-3-0-5-jar/META-  
INF/MANIFEST.MF

## 1.869 high-scale-lib 1.0.6

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\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high\_scale\_lib/ConcurrentAutoTable.java

\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/java/util/concurrent/ConcurrentHashMap.java

\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high\_scale\_lib/NonBlockingHashMap.java

\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high\_scale\_lib/NonBlockingSetInt.java

\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high\_scale\_lib/NonBlockingIdentityHashMap.java

\* /opt/cola/permits/1360632734\_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high\_scale\_lib/AbstractEntry.java

\*

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/opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high_scale_lib/NonBlockingHashtable.java  
* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-jar/java/util/Hashtable.java  
* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high_scale_lib/NonBlockingHashMapLong.java  
* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high_scale_lib/NonBlockingHashSet.java  
* /opt/cola/permits/1360632734_1657532863.2468047/0/high-scale-lib-1-0-6-sources-4-  
jar/org/cliffc/high_scale_lib/Counter.java
```

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## 1.872 apache-commons-text 1.9

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# 1.874 cobra 0.0.5

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## 1.882 spew 1.1.1

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jar/javax/xml/bind/annotation/XmlSeeAlso.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/DataBindingException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/JAXB.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
jar/javax/xml/bind/GetPropertyAction.java

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jar/javax/xml/bind/util/Messages.properties
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- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ValidationEventHandler.java
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- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/UnmarshallerException.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ValidationEvent.java
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- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ValidationEventLocator.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/helpers/ValidationEventLocatorImpl.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/helpers/AbstractUnmarshallerImpl.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/DatatypeConverterInterface.java
- \*
- /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/Unmarshaller.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/ValidationException.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/util/JAXBResult.java
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- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/util/ValidationEventCollector.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/helpers/ParseConversionEventImpl.java

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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/TypeConstraintException.java  
\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/helpers/PrintConversionEventImpl.java

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 \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlAccessorType.java  
 \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlAnyElement.java  
 \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/attachment/AttachmentMarshaller.java  
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 \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/annotation/XmlMixed.java  
 \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-

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jar/javax/xml/bind/annotation/XmlElementWrapper.java
* /opt/cola/permits/1833197682_1698356515.304526/0/jaxb-api-2-2-11-sources-5-
jar/javax/xml/bind/annotation/XmlInlineBinaryData.java
* /opt/cola/permits/1833197682_1698356515.304526/0/jaxb-api-2-2-11-sources-5-
jar/javax/xml/bind/SchemaOutputResolver.java
* /opt/cola/permits/1833197682_1698356515.304526/0/jaxb-api-2-2-11-sources-5-
jar/javax/xml/bind/annotation/XmlSchemaType.java
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-  
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\* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/util/package.html

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- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/JAXBPermission.java
- \* /opt/cola/permits/1833197682\_1698356515.304526/0/jaxb-api-2-2-11-sources-5-jar/javax/xml/bind/WhiteSpaceProcessor.java

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