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1.7 Java-netconf-client 0.0

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1.8 java-uuid-generator 3.1.0

1.9 jaxen 1.1.1

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Version 3, 29 June 2007

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package name from 'com.google.json' to 'clover.com.google.json'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package name from 'com.google.common' to 'clover.com.google.common'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package name from 'com.lowagie' to 'clover.com.lowagie'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Version 1.1

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'org.jfree' to 'clover.org.jfree'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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<signature of Ty Coon>, 1 April 1990  
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```
/*
```

```
File: Core.js
```

```
Description:
```

```
Provides common utility functions and the Class object used internally by the library.
```


Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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1.13 pax-exam 3.4.0

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1.14 py2-ipaddress 3.4.1

1.15 Quartz Scheduler 2.2.1

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  margin: 0.25in 0.5in 0.25in 0.5in;
  tab-interval: 0.5in;
  }
p {
  margin-left: auto;
  margin-top: 0.5em;
  margin-bottom: 0.5em;
  }
p.list {
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<introduction>

These are some of the many people who have helped Ant become so successful.

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The primary ANTLR guy:

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This package was debianized by Eric Evans <eevans@apache.org> on Sun, 26 Jul 2009 15:12:10 +0000

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(last updated \$Date: 2002-12-10 03:15:21 +1100 (Tue, 10 Dec 2002) \$)
This distribution includes a binary distribution of Mozilla Rhino 1.6 release 5 plus one patch.

You can get the unpatched 1.6R5 release of Rhino from the following URL:

ftp://ftp.mozilla.org/pub/mozilla.org/js/rhino1_6R5.zip

To obtain the source code for the 1.6R5 release of Rhino, issue the following commands:

```
cvs -d :pserver:anonymous@cvs-mirror.mozilla.org:/cvsroot \  
co -D2006-11-20 mozilla/js/rhino
```

The patch is available here:

<https://bugzilla.mozilla.org/attachment.cgi?id=252418>

which is attached to this bug:

https://bugzilla.mozilla.org/show_bug.cgi?id=367627

Rhino is licensed under both the MPL (Mozilla Public License) 1.1 and the GPL (GNU General Public License) 2.0, which are duplicated below.

The Rhino jar also includes four classes:

```
org.mozilla.javascript.tools.debugger.downloaded.AbstractCellEditor.java  
org.mozilla.javascript.tools.debugger.downloaded.JTreeTable.java  
org.mozilla.javascript.tools.debugger.downloaded.TreeTableModel.java  
org.mozilla.javascript.tools.debugger.downloaded.TreeTableModelAdapter.java
```

Which come from:

<http://java.sun.com/products/jfc/tsc/articles/treetable2>

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You can get the unpatched 1.6R5 release of Rhino from the following URL:

ftp://ftp.mozilla.org/pub/mozilla.org/js/rhino1_6R5.zip

To obtain the source code for the 1.6R5 release of Rhino, issue the following commands:

```
cvs -d :pserver:anonymous@cvs-mirror.mozilla.org:/cvsroot \  
co -D2006-11-20 mozilla/js/rhino
```

The patch is available here:

<https://bugzilla.mozilla.org/attachment.cgi?id=288467>

which is attached to this bug:

https://bugzilla.mozilla.org/show_bug.cgi?id=367627

Rhino is licensed under both the MPL (Mozilla Public License) 1.1 and the GPL (GNU General Public License) 2.0, which are duplicated below.

The Rhino jar also includes four classes:

```
org.mozilla.javascript.tools.debugger.downloaded.AbstractCellEditor.java  
org.mozilla.javascript.tools.debugger.downloaded.JTreeTable.java  
org.mozilla.javascript.tools.debugger.downloaded.TreeTableModel.java  
org.mozilla.javascript.tools.debugger.downloaded.TreeTableModelAdapter.java
```

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4.46 batik-squiggle 1.7

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go-previous.png
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zoom-in.png viewmag+.png
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.) This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
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4.56 browser.js 0.7.1

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```
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4.57 c3p0 0.9.5.2

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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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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.

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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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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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4.58 cglib 2.2

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4.59 cglib-nodep 2.2

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4.72 commons-codec 1.2

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*

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*

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*
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*
* This file defines helper functions for setting up the calendar. They are
* intended to help non-programmers get a working calendar on their site
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* modify this code to suit your needs (this is recommended and much better
* than modifying calendar.js itself).
*/

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4.88 dom4j 2.1.1

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4.92 eclipse-emf 2.6.0

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4.94 eclipse-emf-ecore 2.6

4.95 el-api 1.0

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4.96 enunciate 1.29

4.97 Expat XML Parser 1.95.7

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4.98 expect4j 1.6

4.99 Fast Infoset 1.2.7

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AppleJavaExtensions
v 1.2

<http://developer.apple.com/samplecode/AppleJavaExtensions/AppleJavaExtensions.html>

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. These stubs are not intended for the runtime classpath on non-Mac platforms. Please see the OSXAdapter sample for how to write cross-platform code that uses eAWT.

There is no license file provided for AppleJavaExtensions.jar. Below is a response from Apple to a question about the license.

On 13 Aug 2004, at 12:33 AM, mdrance@apple.com wrote:

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AppleJavaExtensions
v 1.2

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. The jar file is enclosed in a zip archive for easy expansion on other platforms.

These stubs are not intended for the runtime classpath on non-Mac platforms. Please see the OSXAdapter sample for how to write cross-platform code that uses eAWT.

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4.103 Floodlight 0.9

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4.104 flume-ng-log4jappender 1.5.2

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4.105 font-awesome 4.3.0

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4.106 font-awesome 4.2.0

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4.108 Freemarker 2.3.24

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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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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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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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4.111 gdata 1.0

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```
1S
3
45
6
47
8
9
:
;< =>?
@A
BCDKEY#Lcom/google/gdata/model/ElementKey;
Signature^Lcom/google/gdata/model/ElementKey<Ljava/lang/Void;Lcom/google/gdata/model/atom/Contributor;>;r
egisterMetadata,(Lcom/google/gdata/model/MetadataRegistry;)VCodeLineNumberTableLocalVariableTableRegistry
)Lcom/google/gdata/model/MetadataRegistry;<init>()Vthis)Lcom/google/gdata/model/atom/Contributor;&(Lcom/g
oogle/gdata/model/ElementKey;)VkeyLocalVariableTypeTable'Lcom/google/gdata/model/ElementKey<*>;*(Lco
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ement;)Vsource
Lcom/google/gdata/model/Element;PLcom/google/gdata/model/ElementKey<*>+Lcom/google/gdata/model/atom/Co
ntributor;>;s(Lcom/google/gdata/model/ElementKey<*>+Lcom/google/gdata/model/atom/Contributor;>;Lcom/googl
e/gdata/model/Element;)V(Ljava/lang/String;)VnameLjava/lang/String;5(Ljava/lang/String;Ljava/net/URI;Ljava/lan
g/String;)VuriLjava/net/URI;email<clinit>
SourceFileContributor.javaEFGHI$JKcom/google/gdata/model/QNameLMNcontributorO'com/google/gdata/model/
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model/ElementCreator;8(Lcom/google/gdata/model/ElementKey;Ljava/lang/String;)VX(Lcom/google/gdata/model/
ElementKey;Ljava/lang/String;Ljava/net/URI;Ljava/lang/String;)V
com/google/gdata/util/NamespacesatomNs/Lcom/google/gdata/util/common/xml/XmlNamespace;D(Lcom/google/g
data/util/common/xml/XmlNamespace;Ljava/lang/String;)V!com/google/gdata/model/ElementKeyofT(Lcom/googl
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4.112 gdata-client 1.0

4.113 gdata-core 1.0

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This package was originally debianized by Stephen M Moraco <stephen@debian.org>
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It was downloaded from <http://www.graphviz.org/>

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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4.119 Groovy 1.7.5

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

/**

* <http://asm.objectweb.org/>

*

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src/main/org/codehaus/groovy/jsr223/GroovyScriptEngineFactory.java
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4.132 guice-struts2-plugin 3.0

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Version 2.1, February 1999

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

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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.

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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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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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.

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4.145 hibernate-validator 4.1.0.Final

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4.147 hsqldb 2.2.8

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(1)

ExceptionConverter:

The original version of this class was published in an article by Heinz Kabutz. Read http://www.javaspecialists.co.za/archive/newsletter.do?issue=033&print=yes&locale=en_US "This material from The Java(tm) Specialists' Newsletter by Maximum Solutions (South Africa). Please contact Maximum Solutions for more information.

(2)

SimpleXMLParser:

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<http://www.javaworld.com/javaworld/javatips/jw-javatip128.html>

Jennifer Orr (JavaWorld) wrote: "You have permission to use the code appearing in Steven Brandt's JavaWorld article, 'Java Tip 128: Create a quick-and-dirty XML parser.' We ask that you reference the author as the creator and JavaWorld as the original publisher of the code." Steven Brandt also agreed with the use of this class.

(3)

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In a mail sent to Bruno Lowagie on January 23, 2008, Brian Burkhalter (@sun.com) writes: "This code is under a BSD license and supersedes the older codec packages on which your code is based. It also includes numerous fixes among them being the ability to handle a lot of 'broken' TIFFs."

Note that numerous fixes were applied to the code used in iText by Paulo Soares, but apart from the fixes there were no essential changes between the code that was originally adapted and the code that is now available under the following license:

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FYI: Brian also added: "A bit of history might be in order. The codec classes that you used originally were based on some classes included with JAI but not strictly part of JAI. As of Java SE 1.4 an official Image I/O framework was added in javax.imageio.... This framework supports these formats:

Java 1.4: GIF (read only), JPEG, PNG

Java 1.5: Added support for BMP and WBMP

Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created to support formats handled by JAI but not included in Java SE as well as some new things like JPEG2000."

(4) the file com/lowagie/text/pdf/codec/TIFFConstants and some other TIFF related code is derived from LIBTIFF:

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4.159 jackson-annotations 2.4.5

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4.160 jackson-core 1.9.0

4.161 jackson-core-2.4.5.jar 2.4.5

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4.162 jackson-core-asl 1.9.13

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*

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4.163 jackson-databind 2.4.5

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4.164 jackson-dataformat-yaml 2.4.5

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4.165 jackson-jaxrs 1.8.5

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4.166 jackson-mapper-asl-1.9.13 1.9.13

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That's all there is to it!

/* Jackson JSON-processor.

*

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4.167 jackson-xc 1.8.5

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4.168 jansson 2.4

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4.170 jasper-log4j 1.2.15

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(1)

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(2)

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Jennifer Orr (JavaWorld) wrote: "You have permission to use the code appearing in Steven Brandt's JavaWorld article, 'Java Tip 128: Create a quick-and-dirty XML parser.'

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In a mail sent to Bruno Lowagie on January 23, 2008, Brian Burkhalter (@sun.com) writes: "This code is under a BSD license and supersedes the older codec packages on which your code is based. It also includes numerous fixes among them being the ability to handle a lot of 'broken' TIFFs."

Note that numerous fixes were applied to the code used in iText by Paulo Soares, but apart from the fixes there were no essential changes between the code that was originally adapted and the code that is now available under the following license:

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FYI: Brian also added: "A bit of history might be in order.

The codec classes that you used originally were based on some classes included with JAI but not strictly part of JAI.

As of Java SE 1.4 an official Image I/O framework was added in javax.imageio.... This framework supports these formats:

Java 1.4: GIF (read only), JPEG, PNG

Java 1.5: Added support for BMP and WBMP

Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created to support formats handled by JAI but not included in Java SE as well as some new things like JPEG2000."

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DOM4J library (dom4j-1.6.1.jar)

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JUnit test library (junit-3.8.1.jar)

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webmaster

(last updated by reagle on 1999/04/99.)

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4.174 jasperreports-fonts 4.0.2

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4.175 jasperreports-javaflow 4.0.2

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4.176 jasypt 1.9.2

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4.179 javax-mail 1.4

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/*
 * @(#)IllegalWriteException.java 1.5 05/08/29
 *
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 */

package javax.mail;

/**
 * The exception thrown when a write is attempted on a read-only attribute
 * of any Messaging object.
 *
 * @author John Mani
 */

public
class IllegalWriteException extends MessagingException {

    private static final long serialVersionUID = 3974370223328268013L;

    /**
     * Constructs a IllegalWriteException with no detail message.
     */
    public IllegalWriteException() {
        super();
    }

    /**
     * Constructs a IllegalWriteException with the specified detail message.
     * @param s the detail message
     */
    public IllegalWriteException(String s) {
        super(s);
    }
}

```

4.180 javax.inject 3.0

4.181 javax.servlet 2.5

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4.182 javax.ws.rs 1.0.0

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4.183 javax.ws.rs-api 2.0.1

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```

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<head>
```

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<title>Jing Copying Conditions</title>
```

```
</head>
```

```
<body>
```

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```

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<html lang="en-US">
<head>
<!--
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    display: block;
  }
</style>
</head>

<body leftmargin="0" topmargin="0" marginheight="0" marginwidth="0" bgcolor="#ffffff">

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4.188 jaxrs-api 2.3.4

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4.193 jdom 1.1.2

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4.195 jdt-compiler 3.1.1

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4.196 jersey-bundle 1.17.1

4.197 jersey-core 1.17.1

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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.

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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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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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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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4.205 jna 4.2.0

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Version 2.1, February 1999

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/*--
```

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That's all there is to it!

/*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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4.207 joda-time-2.0 2.0

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4.208 joda-time-2.0-javadoc.jar 2.0

4.209 jquery 1.5

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 * Date: Thu Jun 30 14:16:56 2011 -0400
 */
```

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4.213 jQuery Mobile 1.3.2

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4.214 jquery-1.6.2 1.6.2

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4.215 jQuery-slimScroll 1.3.0

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4.216 jquery-steps 1.0.4

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4.217 jquery-ui 1.10.3

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4.218 jquery-ui-1.8.16 1.8.16

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```

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4.220 jquery-validation 1.11.1

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4.221 jquery.cookie 1.3.1

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/*!

* jQuery Cookie Plugin v1.3.1

* <https://github.com/carhartl/jquery-cookie>

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4.222 jquery.cookie.js 1.0 :2010

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 * @see https://github.com/carhartl/jquery-cookie
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4.223 jquery.preload 1.0.8

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 * Date: 3/25/2009
 * @author Ariel Flesler
 * @version 1.0.8
 */
```

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4.224 js 1.7

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4.228 jsr250-api 1.0

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4.232 jul-to-slf4j 1.7.5

4.233 Junit 4.8.

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4.235 JXL 2.6.10

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4.236 jxl.jar 2.6.10

4.237 Kafka 2.11-0.10.0.1

4.238 kafka-clients 0.10.0.0

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4.239 kXML2 2.3.0

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## 4.256 lunr.js 0.4.2

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## 4.269 oauth-provider 20100527.

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package net.oauth;



```

import java.io.IOException;
import java.net.URISyntaxException;
import java.util.ArrayList;
import java.util.Collection;
import java.util.Collections;
import java.util.Date;
import java.util.HashMap;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Map;
import java.util.Set;
import java.util.TreeSet;
import net.oauth.signature.OAuthSignatureMethod;

//TODO: move this class into oauth-provider
/**
 * A simple OAuthValidator, which checks the version, whether the timestamp is
 * close to now, the nonce hasn't been used before and the signature is valid.
 * Each check may be overridden.
 * <p>
 * This implementation is less than industrial strength:
 *
 * Duplicate nonces won't be reliably detected by a service provider running
 * in multiple processes, since the used nonces are stored in memory.
 * The collection of used nonces is a synchronized choke point
 * The used nonces may occupy lots of memory, although you can minimize this
 * by calling releaseGarbage periodically.
 * The range of acceptable timestamps can't be changed, and there's no
 * system for increasing the range smoothly.
 * Correcting the clock backward may allow duplicate nonces.
 *
 * For a big service provider, it might be better to store used nonces in a
 * database.
 *
 * @author Dirk Balfanz
 * @author John Kristian
 */
public class SimpleOAuthValidator implements OAuthValidator {

 /** The default maximum age of timestamps is 5 minutes. */
 public static final long DEFAULT_MAX_TIMESTAMP_AGE = 5 * 60 * 1000L;
 public static final long DEFAULT_TIMESTAMP_WINDOW = DEFAULT_MAX_TIMESTAMP_AGE;

 /**
 * Names of parameters that may not appear twice in a valid message.
 * This limitation is specified by OAuth Core <a
 * href="http://oauth.net/core/1.0#anchor7">section 5.
 */

```

```

public static final Set<String> SINGLE_PARAMETERS = constructSingleParameters();

private static Set<String> constructSingleParameters() {
 Set<String> s = new HashSet<String>();
 for (String p : new String[] { OAuth.OAUTH_CONSUMER_KEY, OAuth.OAUTH_TOKEN,
OAuth.OAUTH_TOKEN_SECRET,
 OAuth.OAUTH_CALLBACK, OAuth.OAUTH_SIGNATURE_METHOD,
OAuth.OAUTH_SIGNATURE, OAuth.OAUTH_TIMESTAMP,
 OAuth.OAUTH_NONCE, OAuth.OAUTH_VERSION }) {
 s.add(p);
 }
 return Collections.unmodifiableSet(s);
}

/**
 * Construct a validator that rejects messages more than five minutes old or
 * with a OAuth version other than 1.0.
 */
public SimpleOAuthValidator() {
 this(DEFAULT_TIMESTAMP_WINDOW, Double.parseDouble(OAuth.VERSION_1_0));
}

/**
 * Public constructor.
 *
 * @param maxTimestampAgeMsec
 * the range of valid timestamps, in milliseconds into the past
 * or future. So the total range of valid timestamps is twice
 * this value, rounded to the nearest second.
 * @param maxVersion
 * the maximum valid oauth_version
 */
public SimpleOAuthValidator(long maxTimestampAgeMsec, double maxVersion) {
 this.maxTimestampAgeMsec = maxTimestampAgeMsec;
 this.maxVersion = maxVersion;
}

protected final double minVersion = 1.0;
protected final double maxVersion;
protected final long maxTimestampAgeMsec;
private final Set<UsedNonce> usedNonces = new TreeSet<UsedNonce>();

/**
 * Allow objects that are no longer useful to become garbage.
 *
 * @return the earliest point in time at which another call will release
 * some garbage, or null to indicate there's nothing currently
 * stored that will become garbage in future. This value may change,

```

```

* each time releaseGarbage or validateNonce is called.
*/
public Date releaseGarbage() {
 return removeOldNonces(currentTimeMsec());
}

/**
 * Remove usedNonces with timestamps that are too old to be valid.
 */
private Date removeOldNonces(long currentTimeMsec) {
 UsedNonce next = null;
 UsedNonce min = new UsedNonce((currentTimeMsec - maxTimestampAgeMsec + 500) / 1000L);
 synchronized (usedNonces) {
 // Because usedNonces is a TreeSet, its iterator produces
 // elements from oldest to newest (their natural order).
 for (Iterator<UsedNonce> iter = usedNonces.iterator(); iter.hasNext();) {
 UsedNonce used = iter.next();
 if (min.compareTo(used) <= 0) {
 next = used;
 break; // all the rest are also new enough
 }
 iter.remove(); // too old
 }
 }
 if (next == null)
 return null;
 return new Date((next.getTimestamp() * 1000L) + maxTimestampAgeMsec + 500);
}

/** {@inherit}
 * @throws URISyntaxException */
public void validateMessage(OAuthMessage message, OAuthAccessor accessor)
throws OAuthException, IOException, URISyntaxException {
 checkSingleParameters(message);
 validateVersion(message);
 validateTimestampAndNonce(message);
 validateSignature(message, accessor);
}

/** Throw an exception if any SINGLE_PARAMETERS occur repeatedly. */
protected void checkSingleParameters(OAuthMessage message) throws IOException, OAuthException {
 // Check for repeated oauth_ parameters:
 boolean repeated = false;
 Map<String, Collection<String>> nameToValues = new HashMap<String, Collection<String>>();
 for (Map.Entry<String, String> parameter : message.getParameters()) {
 String name = parameter.getKey();
 if (SINGLE_PARAMETERS.contains(name)) {
 Collection<String> values = nameToValues.get(name);

```

```

 if (values == null) {
 values = new ArrayList<String>();
 nameToValues.put(name, values);
 } else {
 repeated = true;
 }
 values.add(parameter.getValue());
 }
}
if (repeated) {
 Collection<OAuth.Parameter> rejected = new ArrayList<OAuth.Parameter>();
 for (Map.Entry<String, Collection<String>> p : nameToValues.entrySet()) {
 String name = p.getKey();
 Collection<String> values = p.getValue();
 if (values.size() > 1) {
 for (String value : values) {
 rejected.add(new OAuth.Parameter(name, value));
 }
 }
 }
 OAuthProblemException problem = new
OAuthProblemException(OAuth.Problems.PARAMETER_REJECTED);
 problem.setParameter(OAuth.Problems.OAUTH_PARAMETERS_REJECTED,
OAuth.formEncode(rejected));
 throw problem;
}
}

protected void validateVersion(OAuthMessage message)
throws OAuthException, IOException {
 String versionString = message.getParameter(OAuth.OAUTH_VERSION);
 if (versionString != null) {
 double version = Double.parseDouble(versionString);
 if (version < minVersion || maxVersion < version) {
 OAuthProblemException problem = new
OAuthProblemException(OAuth.Problems.VERSION_REJECTED);
 problem.setParameter(OAuth.Problems.OAUTH_ACCEPTABLE_VERSIONS, minVersion + "-" +
maxVersion);
 throw problem;
 }
 }
}

/**
 * Throw an exception if the timestamp is out of range or the nonce has been
 * validated previously.
 */
protected void validateTimestampAndNonce(OAuthMessage message)

```

```

throws IOException, OAuthProblemException {
 message.requireParameters(OAuth.OAUTH_TIMESTAMP, OAuth.OAUTH_NONCE);
 long timestamp = Long.parseLong(message.getParameter(OAuth.OAUTH_TIMESTAMP));
 long now = currentTimeMsec();
 validateTimestamp(message, timestamp, now);
 validateNonce(message, timestamp, now);
}

/** Throw an exception if the timestamp [sec] is out of range. */
protected void validateTimestamp(OAuthMessage message, long timestamp, long currentTimeMsec) throws
IOException,
 OAuthProblemException {
 long min = (currentTimeMsec - maxTimestampAgeMsec + 500) / 1000L;
 long max = (currentTimeMsec + maxTimestampAgeMsec + 500) / 1000L;
 if (timestamp < min || max < timestamp) {
 OAuthProblemException problem = new
OAuthProblemException(OAuth.Problems.TIMESTAMP_REFUSED);
 problem.setParameter(OAuth.Problems.OAUTH_ACCEPTABLE_TIMESTAMPS, min + "-" + max);
 throw problem;
 }
}

/**
 * Throw an exception if the nonce has been validated previously.
 *
 * @return the earliest point in time at which a call to releaseGarbage
 * will actually release some garbage, or null to indicate there's
 * nothing currently stored that will become garbage in future.
 */
protected Date validateNonce(OAuthMessage message, long timestamp, long currentTimeMsec) throws
IOException,
 OAuthProblemException {
 UsedNonce nonce = new UsedNonce(timestamp,
 message.getParameter(OAuth.OAUTH_NONCE), message.getConsumerKey(), message.getToken());
 /**
 * The OAuth standard requires the token to be omitted from the stored
 * nonce. But I include it, to harmonize with a Consumer that generates
 * nonces using several independent computers, each with its own token.
 */
 boolean valid = false;
 synchronized (usedNonces) {
 valid = usedNonces.add(nonce);
 }
 if (!valid) {
 throw new OAuthProblemException(OAuth.Problems.NONCE_USED);
 }
 return removeOldNonces(currentTimeMsec);
}

```

```

protected void validateSignature(OAuthMessage message, OAuthAccessor accessor)
throws OAuthException, IOException, URISyntaxException {
 message.requireParameters(OAuth.OAUTH_CONSUMER_KEY,
 OAuth.OAUTH_SIGNATURE_METHOD, OAuth.OAUTH_SIGNATURE);
 OAuthSignatureMethod.newSigner(message, accessor).validate(message);
}

/** Get the number of milliseconds since midnight, January 1, 1970 UTC. */
protected long currentTimeMsec() {
 return System.currentTimeMillis();
}

/**
 * Selected parameters from an OAuth request, in a form suitable for
 * detecting duplicate requests. The implementation is optimized for the
 * comparison operations (compareTo, equals and hashCode).
 *
 * @author John Kristian
 */
private static class UsedNonce implements Comparable<UsedNonce> {
 /**
 * Construct an object containing the given timestamp, nonce and other
 * parameters. The order of parameters is significant.
 */
 UsedNonce(long timestamp, String... nonceEtc) {
 StringBuilder key = new StringBuilder(String.format("%20d", Long.valueOf(timestamp)));
 // The blank padding ensures that timestamps are compared as numbers.
 for (String etc : nonceEtc) {
 key.append("&").append(etc == null ? " " : OAuth.percentEncode(etc));
 // A null value is different from "" or any other String.
 }
 sortKey = key.toString();
 }

 private final String sortKey;

 long getTimestamp() {
 int end = sortKey.indexOf("&");
 if (end < 0)
 end = sortKey.length();
 return Long.parseLong(sortKey.substring(0, end).trim());
 }

 /**
 * Determine the relative order of <code>this</code> and
 * <code>that</code>, as specified by Comparable. The timestamp is most
 * significant; that is, if the timestamps are different, return 1 or

```

```

* -1. If <code>this</code> contains only a timestamp (with no nonce
* etc.), return -1 or 0. The treatment of the nonce etc. is murky,
* although 0 is returned only if they're all equal.
*/
public int compareTo(UsedNonce that) {
 return (that == null) ? 1 : sortKey.compareTo(that.sortKey);
}

@Override
public int hashCode() {
 return sortKey.hashCode();
}

/**
* Return true iff <code>this</code> and <code>that</code> contain equal
* timestamps, nonce etc., in the same order.
*/
@Override
public boolean equals(Object that) {
 if (that == null)
 return false;
 if (that == this)
 return true;
 if (that.getClass() != getClass())
 return false;
 return sortKey.equals(((UsedNonce) that).sortKey);
}

@Override
public String toString() {
 return sortKey;
}
}
}

```

## 4.270 opencsv 2.2

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## 4.274 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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This product includes cryptographic software written by Eric Young ([ey@cryptsoft.com](mailto:ey@cryptsoft.com)).

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### 4.274.2 Available under license :

```
/* crypto/aes/aes_wrap.c */
/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
 * project.
 * Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
 * size keys (Implemented RFC5649)
 */
/* =====
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```

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## 4.275 org.restlet.ext.atom 2.1.0

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## 4.278 org.restlet.ext.fileupload 2.1.0

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## 4.279 org.restlet.ext.freemarker 2.1.0

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# 4.281 org.restlet.ext.html 2.1.0

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## 4.282 org.restlet.ext.httpclient 2.1.0

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## 4.284 org.restlet.ext.jackson 2.1.0

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## 4.285 org.restlet.ext.javamail 2.1.0

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## 4.286 org.restlet.ext.jaxb 2.1.0

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## 4.287 org.restlet.ext.jaxrs 2.1.0

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## 4.288 org.restlet.ext.jdbc 2.1.0

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## 4.290 org.restlet.ext.jibx 2.1.0

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## 4.291 org.restlet.ext.json 2.1.0

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## 4.293 org.restlet.ext.net 2.1.0



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## 4.294 org.restlet.ext.oauth 2.1.0

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## 4.296 org.restlet.ext.openid 2.1.0

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## 4.299 org.restlet.ext.sdc 2.1.0

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## 4.302 org.restlet.ext.slf4j 2.1.0

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## 4.303 org.restlet.ext.spring 2.1.0

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## 4.305 org.restlet.ext.velocity 2.1.0

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## 4.306 org.restlet.ext.wadl 2.1.0

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## 4.308 org.restlet.ext.xstream 2.1.0

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/* * */
/* ***** */
/* * */
/* * Parts of this software have been adapted from the libpng package. * */
/* * Although this library supports all features from the PNG specification * */
/* * (as MNG descends from it) it does not require the libpng package. * */
/* * It does require the zlib library and optionally the IJG jpeg library, * */
/* * and/or the "little-cms" library by Marti Maria (depending on the * */
/* * inclusion of support for JNG and Full-Color-Management respectively. * */

```

```
/* * * */
/* * This library's function is primarily to read and display MNG * */
/* * animations. It is not meant as a full-featured image-editing * */
/* * component! It does however offer creation and editing functionality * */
/* * at the chunk level. * */
/* * (future modifications may include some more support for creation * */
/* * and or editing) * */
/* * * */
/* ***** */
```

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```

```
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```

```
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```

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```

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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>
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```

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#### STACK-LESS JUST-IN-TIME COMPILER

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#### THE C++ WRAPPER FUNCTIONS

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The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 9, this Section 9 shall be controlling over the terms of the Non-Disclosure Agreement.

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### 10.4 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 9. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by the Receiving Party without access to the Confidential Information of the Disclosing Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert

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The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 9, this Section 9 shall be controlling over the terms of the Non-Disclosure Agreement.

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Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 9. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

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Version 2.1, February 1999

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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.

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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.

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.

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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(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.

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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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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.

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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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To apply these terms, attach the following notices to the library. 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 library's name and a brief idea of what it does.>  
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Also add information on how to contact you by electronic and paper mail.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

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Version 2.1, February 1999

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When a program is linked with a library, whether statically or using



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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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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.

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent 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.

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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.

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

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version 2.1 of the License, or (at your option) any later version.
```

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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.

@heading TERMS AND CONDITIONS

@enumerate 0

@item Definitions.

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@item Source Code.

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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6b.

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```
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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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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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```
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```

```
<signature of Ty Coon>, 1 April 1989
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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)`  
or `init_by_array(init_key, key_length)`.

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common\_audio/signal\_processing/spl\_sqrt\_floor\_arm.S  
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modules/audio\_coding/codecs/g711/main/source/g711.h  
modules/audio\_coding/codecs/g722/main/source/g722\_decode.c  
modules/audio\_coding/codecs/g722/main/source/g722\_enc\_dec.h

modules/audio\_coding/codecs/g722/main/source/g722\_encode.c  
modules/audio\_coding/codecs/isac/main/source/fft.c  
modules/audio\_device/mac/portaudio/pa\_memorybarrier.h  
modules/audio\_device/mac/portaudio/pa\_ringbuffer.c  
modules/audio\_device/mac/portaudio/pa\_ringbuffer.h  
modules/audio\_processing/aec/aec\_rdfc.c  
modules/audio\_processing/utility/fft4g.c  
system\_wrappers/interface/scoped\_ptr.h  
system\_wrappers/source/condition\_variable\_event\_win.cc  
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/\*

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\* license.

\*

\* From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>

\* Date: Fri, Jun 24, 2011 at 3:20 AM

\* Subject: Re: sqrt routine

\* To: Kevin Ma <kma@google.com>

\* Hi Kevin,

\* Thanks for asking. Those routines are public domain (originally posted to  
\* comp.sys.arm a long time ago), so you can use them freely for any purpose.

\* Cheers,

\* Wilco

\*

\* ----- Original Message -----

\* From: "Kevin Ma" <kma@google.com>

\* To: <Wilco.Dijkstra@ntlworld.com>

\* Sent: Thursday, June 23, 2011 11:44 PM

\* Subject: Fwd: sqrt routine

\* Hi Wilco,

\* I saw your sqrt routine from several web sites, including

\* <http://www.finesse.demon.co.uk/steven/sqrt.html>.

\* Just wonder if there's any copyright information with your Successive

\* approximation routines, or if I can freely use it for any purpose.

\* Thanks.

\* Kevin

\*/  
-----

Files:

modules/audio\_coding/codecs/g711/main/source/g711.c  
modules/audio\_coding/codecs/g711/main/source/g711.h

License:

```
/*
 * SpanDSP - a series of DSP components for telephony
 *
 * g711.h - In line A-law and u-law conversion routines
 *
 * Written by Steve Underwood <steveu@coppice.org>
 *
 * Copyright (C) 2001 Steve Underwood
 *
 * Despite my general liking of the GPL, I place this code in the
 * public domain for the benefit of all mankind - even the slimy
 * ones who might try to propertize my work and use it to my
 * detriment.
 */
```

Files:

modules/audio\_coding/codecs/g722/main/source/g722\_decode.c  
modules/audio\_coding/codecs/g722/main/source/g722\_enc\_dec.h  
modules/audio\_coding/codecs/g722/main/source/g722\_encode.c

License:

```
/*
 * SpanDSP - a series of DSP components for telephony
 *
 * g722_decode.c - The ITU G.722 codec, decode part.
 *
 * Written by Steve Underwood <steveu@coppice.org>
 *
 * Copyright (C) 2005 Steve Underwood
 *
 * Despite my general liking of the GPL, I place my own contributions
 * to this code in the public domain for the benefit of all mankind -
 * even the slimy ones who might try to propertize my work and use it
 * to my detriment.
 *
 * Based in part on a single channel G.722 codec which is:
 *
 * Copyright (c) CMU 1993
 * Computer Science, Speech Group
 * Chengxiang Lu and Alex Hauptmann
 */
```

Files:

modules/audio\_coding/codecs/isac/main/source/fft.c

License:

```
/*
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 * Queen's Univ at Kingston (Canada)
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 *
 * It is also implicitly understood that bug fixes and improvements
 * should make their way back to the general Internet community so
 * that everyone benefits.
 */
```

-----  
Files:

modules/audio\_device/mac/portaudio/pa\_memorybarrier.h  
modules/audio\_device/mac/portaudio/pa\_ringbuffer.c  
modules/audio\_device/mac/portaudio/pa\_ringbuffer.h

License:

```
/*
 * $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
 * Portable Audio I/O Library
 * Memory barrier utilities
 *
 * Author: Bjorn Roche, XO Audio, LLC
 *
 * This program uses the PortAudio Portable Audio Library.
 * For more information see: http://www.portaudio.com
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\*/

/\*

\* \$Id: pa\_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche \$  
\* Portable Audio I/O Library  
\* Ring Buffer utility.

\*

\* Author: Phil Burk, <http://www.softsynth.com>  
\* modified for SMP safety on Mac OS X by Bjorn Roche  
\* modified for SMP safety on Linux by Leland Lucius  
\* also, allowed for const where possible  
\* modified for multiple-byte-sized data elements by Sven Fischer

\*

\* Note that this is safe only for a single-thread reader and a  
\* single-thread writer.

\*

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// warranty, and with no claim as to its suitability for any purpose.
//
// See http://www.boost.org/libs/smart_ptr/scoped_ptr.htm for documentation.
//
```

-----  
Files:

system\_wrappers/source/condition\_variable\_event\_win.cc

Source:

<http://www1.cse.wustl.edu/~schmidt/ACE-copying.html>

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Source:

<http://msdn.microsoft.com/en-us/cc300389.aspx#P>

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-makefile-
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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} $@

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Unix SMB/CIFS implementation.

Samba temporary memory allocation functions

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/\* zlib.h -- interface of the 'zlib' general purpose compression 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.)

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.

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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.

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

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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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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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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.

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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.
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reimplemented pthread\_once with the same form  
as described by A.Terekhov (later version 2);  
implementation of MCS (Mellor-Crummey/Scott) locks.

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\* Small optimizations to Python serialization.

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\* VI syntax highlighting tweaks.

\* Fix compiler to not make output executable.

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\* Heuristic detection of sub-messages when printing unknown fields in text format.

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\* Added @Override annotation to generated Java code where appropriate.

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\* Tru64 support.

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\* Solaris 10 + Sun Studio fixes.

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\* Slicing support for repeated scalar fields for the Python API.

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\* MS Visual Studio error format option.

\* Detect unordered\_map in stl\_hash.m4.

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\* gzip/zlib I/O support.

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\* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).

\* Added generation of field number constants.

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\* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

\* Small patch improving performance of in Python serialization.

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\* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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\* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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\* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

\* Detect whether zlib is new enough in configure script.

\* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

\* Optimize Java serialization code when writing a small message to a stream.

- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>

- \* Added CodedInputStream.getTotalBytesRead().

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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.

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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



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- 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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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.

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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.

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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- 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.)

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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.

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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.

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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 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.

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o [freetype-devel@nongnu.org](mailto: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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Specifically, the GPL parts of FFmpeg are

- libpostproc
- libmpcodecs
- optional x86 optimizations in the files  
libavcodec/x86/idct\_mmx.c
- libutvideo encoding/decoding wrappers in  
libavcodec/libutvideo\*.cpp
- the X11 grabber in libavdevice/x11grab.c
- the swresample test app in  
libswresample/swresample-test.c
- the texi2pod.pl tool
- the following filters in libavfilter:
  - f\_ebur128.c
  - vf\_blackframe.c
  - vf\_boxblur.c
  - vf\_colormatrix.c
  - vf\_cropdetect.c
  - vf\_decimate.c
  - vf\_delogo.c
  - vf\_geq.c
  - vf\_histeq.c
  - vf\_hqdn3d.c
  - vf\_kerndeint.c
  - vf\_mcdeint.c
  - vf\_mp.c
  - vf\_owdenoise.c
  - vf\_perspective.c
  - vf\_phase.c
  - vf\_pp.c
  - vf\_pullup.c
  - vf\_sab.c
  - vf\_smartblur.c
  - vf\_spp.c
  - vf\_stereo3d.c
  - vf\_super2xsai.c
  - vf\_tinterlace.c
  - vsrc\_mptestsrc.c

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external libraries

=====

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

compatible libraries

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The following libraries are under GPL:

- frei0r
- libcdio
- libutvideo
- libvidstab
- libx264
- libx265
- libxavs
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing `--enable-gpl` to configure.

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incompatible libraries

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- Valgrind client API header, located at `third_party/valgrind/valgrind.h`. This is release under the BSD license.

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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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That's all there is to it!

PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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## 4.325 resteasy-cache-core 2.3.4 Final

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## 4.326 resteasy-cdi 2.3.4 Final

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/\*

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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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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.)

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## 4.334 resteasy-jaxrs 2.3.6.Final

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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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Version 3, 29 June 2007

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## 4.367 snmp4j 2.2.1

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## 4.370 spark-core 2.3

### 4.371 spring-aop 3.2.3.release

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## 4.382 spring-core 2.5.5 spring-core 2.5.5

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## 4.386 spring-expression 3.2.3 RELEASE

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 */

package org.springframework.aop.aspectj.annotation;

import java.lang.reflect.Method;

import org.aopalliance.aop.Advice;
import org.aspectj.lang.reflect.PerClauseKind;

import org.springframework.aop.Pointcut;
import org.springframework.aop.aspectj.AspectJExpressionPointcut;
import org.springframework.aop.aspectj.AspectJPrecedenceInformation;
import org.springframework.aop.aspectj.InstantiationModelAwarePointcutAdvisor;
import org.springframework.aop.aspectj.annotation.AbstractAspectJAdvisorFactory.AspectJAnnotation;
import org.springframework.aop.support.DynamicMethodMatcherPointcut;
import org.springframework.aop.support.Pointcuts;

/**
 * Internal implementation of AspectJPointcutAdvisor.
 * Note that there will be one instance of this advisor for each target method.
 *
 * @author Rod Johnson
 * @author Juergen Hoeller
 * @since 2.0
 */
class InstantiationModelAwarePointcutAdvisorImpl

```

```

implements InstantiationModelAwarePointcutAdvisor, AspectJPrecedenceInformation {

private final AspectJExpressionPointcut declaredPointcut;

private Pointcut pointcut;

private final MetadataAwareAspectInstanceFactory aspectInstanceFactory;

private final Method method;

private final boolean lazy;

private final AspectJAdvisorFactory atAspectJAdvisorFactory;

private Advice instantiatedAdvice;

private int declarationOrder;

private String aspectName;

private Boolean isBeforeAdvice = null;

private Boolean isAfterAdvice = null;

public InstantiationModelAwarePointcutAdvisorImpl(
 AspectJAdvisorFactory af,
 AspectJExpressionPointcut ajexp,
 MetadataAwareAspectInstanceFactory aif,
 Method method,
 int declarationOrderInAspect,
 String aspectName) {

this.declaredPointcut = ajexp;
this.method = method;
this.atAspectJAdvisorFactory = af;
this.aspectInstanceFactory = aif;
this.declarationOrder = declarationOrderInAspect;
this.aspectName = aspectName;

if (aif.getAspectMetadata().isLazilyInstantiated()) {
 // Static part of the pointcut is a lazy type.
 Pointcut preInstantiationPointcut =
 Pointcuts.union(aif.getAspectMetadata().getPerClausePointcut(), this.declaredPointcut);

 // Make it dynamic: must mutate from pre-instantiation to post-instantiation state.
 // If it's not a dynamic pointcut, it may be optimized out
 // by the Spring AOP infrastructure after the first evaluation.
}
}

```

```

 this.pointcut = new PerTargetInstantiationModelPointcut(this.declaredPointcut, preInstantiationPointcut, aif);
 this.lazy = true;
}
else {
 // A singleton aspect.
 this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
 this.pointcut = declaredPointcut;
 this.lazy = false;
}
}

/**
 * The pointcut for Spring AOP to use. Actual behaviour of the pointcut will change
 * depending on the state of the advice.
 */
public Pointcut getPointcut() {
 return this.pointcut;
}

/**
 * This is only of interest for Spring AOP: AspectJ instantiation semantics
 * are much richer. In AspectJ terminology, all a return of <code>>true</code>
 * means here is that the aspect is not a SINGLETON.
 */
public boolean isPerInstance() {
 return (getAspectMetadata().getAjType().getPerClause().getKind() != PerClauseKind.SINGLETON);
}

/**
 * Return the AspectJ AspectMetadata for this advisor.
 */
public AspectMetadata getAspectMetadata() {
 return this.aspectInstanceFactory.getAspectMetadata();
}

/**
 * Lazily instantiate advice if necessary.
 */
public synchronized Advice getAdvice() {
 if (this.instantiatedAdvice == null) {
 this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
 }
 return this.instantiatedAdvice;
}

public boolean isLazy() {
 return this.lazy;
}

```

```

}

public synchronized boolean isAdviceInstantiated() {
 return (this.instantiatedAdvice != null);
}

private Advice instantiateAdvice(AspectJExpressionPointcut pcut) {
 return this.atAspectJAdvisorFactory.getAdvice(
 this.method, pcut, this.aspectInstanceFactory, this.declarationOrder, this.aspectName);
}

public MetadataAwareAspectInstanceFactory getAspectInstanceFactory() {
 return this.aspectInstanceFactory;
}

public AspectJExpressionPointcut getDeclaredPointcut() {
 return this.declaredPointcut;
}

public int getOrder() {
 return this.aspectInstanceFactory.getOrder();
}

public String getAspectName() {
 return this.aspectName;
}

public int getDeclarationOrder() {
 return this.declarationOrder;
}

public boolean isBeforeAdvice() {
 if (this.isBeforeAdvice == null) {
 determineAdviceType();
 }
 return this.isBeforeAdvice;
}

public boolean isAfterAdvice() {
 if (this.isAfterAdvice == null) {
 determineAdviceType();
 }
 return this.isAfterAdvice;
}

/**
 * Duplicates some logic from getAdvice, but importantly does not force

```



```

* creation of the advice.
*/
private void determineAdviceType() {
 AspectJAnnotation<?> aspectJAnnotation =
 AbstractAspectJAdvisorFactory.findAspectJAnnotationOnMethod(this.method);
 if (aspectJAnnotation == null) {
 this.isBeforeAdvice = false;
 this.isAfterAdvice = false;
 }
 else {
 switch (aspectJAnnotation.getAnnotationType()) {
 case AtAfter:
 case AtAfterReturning:
 case AtAfterThrowing:
 this.isAfterAdvice = true;
 this.isBeforeAdvice = false;
 break;
 case AtAround:
 case AtPointcut:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = false;
 break;
 case AtBefore:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = true;
 }
 }
}

@Override
public String toString() {
 return "InstantiationModelAwarePointcutAdvisor: expression [" + getDeclaredPointcut().getExpression() +
 "]; advice method [" + this.method + "]; perClauseKind=" +
 this.aspectInstanceFactory.getAspectMetadata().getAjType().getPerClause().getKind();
}

/**
 * Pointcut implementation that changes its behaviour when the advice is instantiated.
 * Note that this is a <i>dynamic</i> pointcut. Otherwise it might
 * be optimized out if it does not at first match statically.
 */
private class PerTargetInstantiationModelPointcut extends DynamicMethodMatcherPointcut {

 private final AspectJExpressionPointcut declaredPointcut;

```

```

private final Pointcut preInstantiationPointcut;

private LazySingletonAspectInstanceFactoryDecorator aspectInstanceFactory;

private PerTargetInstantiationModelPointcut(AspectJExpressionPointcut declaredPointcut,
 Pointcut preInstantiationPointcut, MetadataAwareAspectInstanceFactory aspectInstanceFactory) {
 this.declaredPointcut = declaredPointcut;
 this.preInstantiationPointcut = preInstantiationPointcut;
 if (aspectInstanceFactory instanceof LazySingletonAspectInstanceFactoryDecorator) {
 this.aspectInstanceFactory = (LazySingletonAspectInstanceFactoryDecorator) aspectInstanceFactory;
 }
}

@Override
public boolean matches(Method method, Class targetClass) {
 // We're either instantiated and matching on declared pointcut, or uninstantiated matching on either pointcut
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass)) ||
 this.preInstantiationPointcut.getMethodMatcher().matches(method, targetClass);
}

public boolean matches(Method method, Class targetClass, Object[] args) {
 // This can match only on declared pointcut.
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass));
}

private boolean isAspectMaterialized() {
 return (this.aspectInstanceFactory == null || this.aspectInstanceFactory.isMaterialized());
}
}
}
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 */

package org.springframework.aop.aspectj.annotation;

```

```

import org.springframework.aop.aspectj.SimpleAspectInstanceFactory;
import org.springframework.core.Ordered;
import org.springframework.core.annotation.Order;

/**
 * Implementation of { @link MetadataAwareAspectInstanceFactory } that
 * creates a new instance of the specified aspect class for every
 * { @link #getAspectInstance() } call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */
public class SimpleMetadataAwareAspectInstanceFactory extends SimpleAspectInstanceFactory
 implements MetadataAwareAspectInstanceFactory {

 private final AspectMetadata metadata;

 /**
 * Create a new SimpleMetadataAwareAspectInstanceFactory for the given aspect class.
 * @param aspectClass the aspect class
 * @param aspectName the aspect name
 */
 public SimpleMetadataAwareAspectInstanceFactory(Class aspectClass, String aspectName) {
 super(aspectClass);
 this.metadata = new AspectMetadata(aspectClass, aspectName);
 }

 public final AspectMetadata getAspectMetadata() {
 return this.metadata;
 }

 /**
 * Determine a fallback order for the case that the aspect instance
 * does not express an instance-specific order through implementing
 * the { @link org.springframework.core.Ordered } interface.
 * <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
 * @param aspectClass the aspect class
 */
 @Override
 protected int getOrderForAspectClass(Class<?> aspectClass) {
 Order order = aspectClass.getAnnotation(Order.class);
 if (order != null) {
 return order.value();
 }
 return Ordered.LOWEST_PRECEDENCE;
 }
}

```

```

}

}
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 */

package org.springframework.aop.aspectj;

import org.springframework.aop.framework.AopConfigException;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;

/**
 * Implementation of {@link AspectInstanceFactory} that creates a new instance
 * of the specified aspect class for every {@link #getAspectInstance()} call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */
public class SimpleAspectInstanceFactory implements AspectInstanceFactory {

 private final Class aspectClass;

 /**
 * Create a new SimpleAspectInstanceFactory for the given aspect class.
 * @param aspectClass the aspect class
 */
 public SimpleAspectInstanceFactory(Class aspectClass) {
 Assert.notNull(aspectClass, "Aspect class must not be null");
 this.aspectClass = aspectClass;
 }

 /**
 * Return the specified aspect class (never null).

```

```

*/
public final Class getAspectClass() {
 return this.aspectClass;
}

public final Object getAspectInstance() {
 try {
 return this.aspectClass.newInstance();
 }
 catch (InstantiationException ex) {
 throw new AopConfigException("Unable to instantiate aspect class [" + this.aspectClass.getName() + "]", ex);
 }
 catch (IllegalAccessException ex) {
 throw new AopConfigException("Cannot access element class [" + this.aspectClass.getName() + "]", ex);
 }
}

public ClassLoader getAspectClassLoader() {
 return this.aspectClass.getClassLoader();
}

/**
 * Determine the order for this factory's aspect instance,
 * either an instance-specific order expressed through implementing
 * the {@link org.springframework.core.Ordered} interface,
 * or a fallback order.
 * @see org.springframework.core.Ordered
 * @see #getOrderForAspectClass
 */
public int getOrder() {
 return getOrderForAspectClass(this.aspectClass);
}

/**
 * Determine a fallback order for the case that the aspect instance
 * does not express an instance-specific order through implementing
 * the {@link org.springframework.core.Ordered} interface.
 * <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
 * @param aspectClass the aspect class
 */
protected int getOrderForAspectClass(Class<?> aspectClass) {
 return Ordered.LOWEST_PRECEDENCE;
}

}
/*
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```

```

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*/

```

```
package org.springframework.aop.config;
```

```
import org.springframework.aop.aspectj.AspectInstanceFactory;
import org.springframework.beans.factory.BeanFactory;
import org.springframework.beans.factory.BeanFactoryAware;
import org.springframework.beans.factory.config.ConfigurableBeanFactory;
import org.springframework.core.Ordered;
import org.springframework.util.ClassUtils;
import org.springframework.util.StringUtils;
```

```
/**
```

```
 * Implementation of { @link AspectInstanceFactory } that locates the aspect from the
 * { @link org.springframework.beans.factory.BeanFactory } using a configured bean name.
```

```
 *
```

```
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
```

```
 */
```

```
public class SimpleBeanFactoryAwareAspectInstanceFactory implements AspectInstanceFactory,
BeanFactoryAware {
```

```
 private String aspectBeanName;
```

```
 private BeanFactory beanFactory;
```

```
/**
```

```
 * Set the name of the aspect bean. This is the bean that is returned when calling
 * { @link #getAspectInstance() }.
```

```
 */
```

```
public void setAspectBeanName(String aspectBeanName) {
 this.aspectBeanName = aspectBeanName;
}

```

```

public void setBeanFactory(BeanFactory beanFactory) {
 this.beanFactory = beanFactory;
 if (!StringUtils.hasText(this.aspectBeanName)) {
 throw new IllegalArgumentException("'aspectBeanName' is required");
 }
}

/**
 * Look up the aspect bean from the {@link BeanFactory} and returns it.
 * @see #setAspectBeanName
 */
public Object getAspectInstance() {
 return this.beanFactory.getBean(this.aspectBeanName);
}

public ClassLoader getAspectClassLoader() {
 if (this.beanFactory instanceof ConfigurableBeanFactory) {
 return ((ConfigurableBeanFactory) this.beanFactory).getBeanClassLoader();
 }
 else {
 return ClassUtils.getDefaultClassLoader();
 }
}

public int getOrder() {
 if (this.beanFactory.isSingleton(this.aspectBeanName) &&
 this.beanFactory.isTypeMatch(this.aspectBeanName, Ordered.class)) {
 return ((Ordered) this.beanFactory.getBean(this.aspectBeanName)).getOrder();
 }
 return Ordered.LOWEST_PRECEDENCE;
}

}

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```

```

*/

package org.springframework.aop.interceptor;

import org.aopalliance.intercept.MethodInvocation;
import org.apache.commons.logging.Log;

/**
 * Simple AOP Alliance MethodInterceptor that can be introduced
 * in a chain to display verbose trace information about intercepted method
 * invocations, with method entry and method exit info.
 *
 * <p>Consider using CustomizableTraceInterceptor for more
 * advanced needs.
 *
 * @author Dmitriy Kopylenko
 * @author Juergen Hoeller
 * @since 1.2
 * @see CustomizableTraceInterceptor
 */
public class SimpleTraceInterceptor extends AbstractTraceInterceptor {

 /**
 * Create a new SimpleTraceInterceptor with a static logger.
 */
 public SimpleTraceInterceptor() {
 }

 /**
 * Create a new SimpleTraceInterceptor with dynamic or static logger,
 * according to the given flag.
 * @param useDynamicLogger whether to use a dynamic logger or a static logger
 * @see #setUseDynamicLogger
 */
 public SimpleTraceInterceptor(boolean useDynamicLogger) {
 setUseDynamicLogger(useDynamicLogger);
 }

 @Override
 protected Object invokeUnderTrace(MethodInvocation invocation, Log logger) throws Throwable {
 String invocationDescription = getInvocationDescription(invocation);
 logger.trace("Entering " + invocationDescription);
 try {
 Object rval = invocation.proceed();
 logger.trace("Exiting " + invocationDescription);
 return rval;
 }
 }
}

```



```

catch (Throwable ex) {
 logger.trace("Exception thrown in " + invocationDescription, ex);
 throw ex;
}
}

/**
 * Return a description for the given method invocation.
 * @param invocation the invocation to describe
 * @return the description
 */
protected String getInvocationDescription(MethodInvocation invocation) {
 return "method '" + invocation.getMethod().getName() + "' of class [" +
 invocation.getThis().getClass().getName() + "];"
}

}

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 */

package org.springframework.aop.target;

/**
 * Simple { @link org.springframework.aop.TargetSource } implementation,
 * freshly obtaining the specified target bean from its containing
 * Spring { @link org.springframework.beans.factory.BeanFactory }.
 *
 * <p>Can obtain any kind of target bean: singleton, scoped, or prototype.
 * Typically used for scoped beans.
 *
 * @author Juergen Hoeller
 * @since 2.0.3
 */
public class SimpleBeanTargetSource extends AbstractBeanFactoryBasedTargetSource {

```

```
public Object getTarget() throws Exception {
 return getBeanFactory().getBean(getTargetBeanName());
}

}
```

## 4.388 spring-framework 3.1.2

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<?xml version="1.0" encoding="UTF-8"?>
```

```
<psf version="2.0">
```

```
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```

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</provider>
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## 4.401 stax 1.2.0

## 4.402 StAX 1.2

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## 4.404 stdint\_msvc 1.0 :2006

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## 1.0

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### 1.0.1

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## 4.414 tika-parsers 0.6

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## 4.422 xalan 2.7.1

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## 4.426 xercesImpl 2.11.0

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## 4.427 xercesImpl.jar 2.11.0

## 4.428 xmemcached 1.4.1

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### 4.431 XmlBeans 2.5.0

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## 4.440 zookeeper 3.4.8

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'org.jfree' to 'clover.org.jfree'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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/\*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
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## 5.45 persistence-antlr 2.5.2

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\* - 322008: Improve usability of additional criteria applied to queries at the session/EM

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## 5.53 snappy-java 1.1.2.6

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/\* Stax2 API extension for Streaming API for XML processing (StAX).

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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/thrift.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  
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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  
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lib/csharp/src/Transport/TServerSocket.cs  
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lib/csharp/src/Transport/TSocket.cs  
lib/csharp/src/Transport/TStreamTransport.cs  
lib/csharp/src/Transport/TTransport.cs  
lib/csharp/src/Transport/TTransportException.cs  
lib/csharp/src/Transport/TTransportFactory.cs  
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lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj  
lib/rb/lib/thrift.rb  
lib/st/README  
lib/st/thrift.st

test/OptionalRequiredTest.cpp  
test/OptionalRequiredTest.thrift  
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## 5.67 zookeeper/jtoaster+jersey+grizzly 3.4.8

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# 5.68 zookeeper/zooinspector-icons 3.4.8

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## 6.1 **async-http-client 1.9.40**

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Dan Armbrust  
Daniel Henrique  
Daniel Ribagnac  
Daniel Spilker  
Daniel Trebbien  
Danno Ferrin  
Danny Yates  
Dante Briones  
Davanum Srinivas  
Dave Brondsema  
Dave Brosius  
David A. Herman  
David Crossley  
David Grtner  
David S. Johnson  
David Kavanagh  
David LeRoy  
David Leal

David M. Lloyd  
David Maclean  
David Rees  
Denis Hennessy  
Derek Slager  
Devon C. Miller  
Diane Holt  
dIon Gillard  
Dmitry A. Kuminov  
Dominique Devienne  
Donal Quinlan  
Don Brown  
Don Ferguson  
Don Jeffery  
Drew Sudell  
Edison Guo  
Eduard Wirch  
Edwin Woudt  
Eli Tucker  
Emmanuel Bourg  
Eric Barboni  
Eric Olsen  
Eric Pugh  
Erik Costlow  
Erik Hatcher  
Erik Langenbach  
Erik Meade  
Ernst de Haan  
Frank Harnack  
Frank Somers  
Frank Zeyda  
Frantisek Kucera  
Frederic Bothamy  
Frederic Lavigne  
Gary S. Weaver  
Gautam Guliani  
Gene-Sung Chung  
Georges-Etienne Legendre  
Gero Vermaas  
Gerrit Riessen  
Gilbert Rebhan  
Gilles Scokart  
Glenn McAllister  
Glenn Twiggs  
Greg Nelson  
Greg Roodt  
Greg Schueler  
Grgoire Vatry

Gnther Kgel  
Harish Prabandham  
Haroon Rafique  
Hiroaki Nakamura  
Holger Engels  
Holger Joest  
Ignacio Coloma  
Ingenonsya France  
Ingmar Stein  
Irene Rusman  
Isaac Shabtay  
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J Bleijenbergh  
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Jason Pettiss  
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Jay Dickon Glanville  
Jay Peck  
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JC Mann  
J D Glanville  
Jean-Francois Brousseau  
Jean-Louis Boudart  
Jeff Gettle  
Jeff Martin  
Jeff Tulley  
Jeff Turner  
Jene Jasper  
Jeremy Mawson  
Jerome Lacoste  
Jesse Glick  
Jesse Stockall  
Jim Allers  
Joerg Wassmer  
Joel Tucci  
Joey Richey  
Johann Herunter  
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Jon S. Stevens

Jon Skeet  
Jose Alberto Fernandez  
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Mathieu Peltier  
Matt Albrecht  
Matt Benson

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Miha  
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Mike Roberts  
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Miroslav Zako  
mnowostawski  
Mounir El Hajj  
Nathan Beyer  
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Nick Fortescue  
Nick Crossley  
Nick Pellow  
Nicola Ken Barozzi  
Nico Seessle  
Nigel Magnay  
Oliver Merkel  
Oliver Rossmueller  
Ondra Medek  
Omer Shapira  
Oystein Gisnas  
Patrick Altaie  
Patrick C. Beard  
Patrick Chanezon  
Patrick G. Heck (Gus Heck)  
Patrick Martin  
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Raphael Pierquin  
Ray Waldin  
Remie Bolte  
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Richard Steele  
Rick Beton  
Robbie Gibson  
Robert Anderson  
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Robert Flaherty  
Robert Shaw  
Robert Streich  
Robert Watkins  
Roberto Scaramuzzi  
Robin Green  
Robin Power  
Robin Verduijn  
Rob Oxspring  
Rob van Oostrum  
Rodrigo Schmidt  
Roger Vaughn  
Roman Ivashin  
Roman Savko  
Ronen Mashal  
Russell Gold

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Sam Ruby  
Sandra Metz  
Scott Carlson  
Scott Ellsworth  
Scott Johnson  
Scott M. Stirling  
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Sean P. Kane  
Sebastien Arod  
Shiraz Kanga  
Sebastian Kantha  
Simon Law  
Simone Bordet  
Stefan Bodewig  
Stefan Heimann  
Stefano Mazzocchi  
Stephan Strittmatter  
Stephane Bailliez  
stephan  
Stephan Michels  
Stephen Chin  
Stephen Goetze  
Steve Cohen  
Steve Langley  
Steve Loughran  
Steve Morin  
Steve Wadsworth  
Steven E. Newton  
Sudheer Chigurupati  
Takashi Okamoto  
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From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c, file\_io/unix/mktemp.c, strings/apr\_strings.c:

```
/*
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```
/* Copyright (c) 1996 by Internet Software Consortium.
 *
```

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From dso/aix/dso.c:

\* Based on libdl (dlfcn.c/dlfcn.h) which is  
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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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From strings/apr\_snprintf.c:

\*  
\* cvt - IEEE floating point formatting routines.  
\* Derived from UNIX V7, Copyright(C) Caldera International Inc.  
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For the xml\expat\conf\tools\install-sh component:

```

install - install a program, script, or datafile
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<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dossier (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.



Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.) This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)

Brian Osman (osman -at- vvisions.com) (See CVS log)

Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)

Bruno da Silva de Oliveira (bruno - at - esss.com.br)

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Gennadiy Rozental (rogeeff -at- mail.com) (Email to Andreas Huber, see change log)

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Kevlin Henney (kevin -at- curbralan.com) (See Boost list message of Wed, 15 Sep 2004 18:15:17 +0200)  
Kresimir Fresl (fresl -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)  
Lars Gullik Bjnnes (larsbj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)  
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William E. Kempf () (email to Beman Dawes, 9/14/2006 4:18 PM)

Joerg Walter (jhr.walter - at - t-online.de : email to ublas mailing list Mon, 17 Sep 2007 10:17:08 +0200)

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[jseward@acm.org](mailto:jseward@acm.org)

bzip2/libbzip2 version 1.0.2 of 30 December 2001

```

/*
minibz2
libbz2.dll test program.
by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)
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usage: minibz2 [-d] [-{1,2,..9}] [[srcfilename] destfilename]
*/
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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.

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'zlib' general purpose compression library  
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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
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'zlib' general purpose compression library  
version 1.2.3, July 18th, 2005

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[buildhtml application]

prune: .

## 7.14 doxygen 1.8.1.2

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-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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[Misc C library code]

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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  
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(zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

\*/

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[edoc, syntax\_tools]

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[leex]

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[eldap]

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%% %

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```
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```

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## 7.16 expat 1.95.7 :4

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## 7.17 gcc 4.7.2

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

#### HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely

due to Vernon Lee, on machines made available to Rice by IBM.  
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.  
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.  
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.  
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and  
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.  
Thomas Funke (thf@zelator.in-berlin.de(?)) and  
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.  
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.  
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)  
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# These lines make the symbols to get a @@GCC\_4.6.0.

```
%exclude {
 __addtf3
 __copysigntf3
 __divtc3
 __divtf3
 __eqtf2
 __extenddf2
 __extendsf2
 __extendxf2
 __fabstf2
 __fixtfdi
 __fixtfsi
 __fixtfti
 __fixunstfdi
 __fixunstfsi
 __fixunstfti
 __floatditf
 __floatsitf
 __floattitf
 __floatunditf
 __floatunsitf
 __floatuntitf
```

```

__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}

GCC_4.6.0 {
__addtf3
#ifndef __x86_64__
__copysigntf3
#endif
__divtc3
__divtf3
__eqtf2
__extenddf2
__extendsf2
__extendxf2
#ifndef __x86_64__
__fabstf2
#endif
__fixtfdi
__fixtfsi
#ifdef __x86_64__
__fixtfti
#endif
__fixunstfdi
__fixunstfsi
#ifdef __x86_64__
__fixunstfti
#endif
__floatditf
__floatsitf
#ifdef __x86_64__
__floattitf
#endif
__floatunditf
__floatunsitf
#ifdef __x86_64__

```

```
__floatuntif
#endif
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}
```

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Version 2.1, February 1999

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@center Version 3, 29 June 2007
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```
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```

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```
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type `show w'.
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under certain conditions; type `show c' for details.
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```

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```
@example
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```

```
@var{signature of Ty Coon}, 1 April 1989
```

Ty Coon, President of Vice

@end example

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@c man end

@ignore

@c Set file name and title for man page.

@setfilename gfdl

@settitle GNU Free Documentation License

@c man begin SEEALSO

gpl(7), fsf-funding(7).

@c man end

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@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml

@node GNU Free Documentation License

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@cindex FDL, GNU Free Documentation License

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```
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@c End:
```

```
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@end enumerate

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@item

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@item

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@item

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@appendixsubsec How to Apply These Terms to Your New Libraries

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@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

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That's all there is to it!

Jan 21, 2002

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```
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```

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```
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## 7.18 Graphviz 2.38

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2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

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Glenn Randers-Pehrson  
glennrp at users.sourceforge.net

January 5, 2017

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\* questions.

\*/

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:
 *
 * 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.
 * 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.
 *
 *
 * @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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 * or visit www.oracle.com if you need additional information or have any
 * questions.
 */

```

```
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();

}

```

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questions.
#
```

```
Version
```

```
Uses Fedora Core 6 fonts and file paths.
version=1
```

```
Component Font Mappings
```

```
dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni
```

```
dialog.bold.latin-1=DejaVu LGC Sans Bold
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni
```

```
dialog.italic.latin-1=DejaVu LGC Sans Oblique
dialog.italic.japanese-x0208=Sazanami Gothic
dialog.italic.korean=Baekmuk Gulim
dialog.italic.chinese-big5=AR PL ShanHeiSun Uni
dialog.italic.chinese-gb18030=AR PL ShanHeiSun Uni
```

```
dialog.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique
dialog.bolditalic.japanese-x0208=Sazanami Gothic
dialog.bolditalic.korean=Baekmuk Gulim
dialog.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
```

dialog.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

sansserif.plain.latin-1=DejaVu LGC Sans  
sansserif.plain.japanese-x0208=Sazanami Gothic  
sansserif.plain.korean=Baekmuk Gulim  
sansserif.plain.chinese-big5=AR PL ShanHeiSun Uni  
sansserif.plain.chinese-gb18030=AR PL ShanHeiSun Uni

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sansserif.italic.chinese-gb18030=AR PL ShanHeiSun Uni

sansserif.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique  
sansserif.bolditalic.japanese-x0208=Sazanami Gothic  
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sansserif.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

serif.plain.latin-1=DejaVu LGC Serif  
serif.plain.japanese-x0208=Sazanami Mincho  
serif.plain.korean=Baekmuk Batang  
serif.plain.chinese-big5=AR PL ZenKai Uni  
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serif.bolditalic.chinese-gb18030=AR PL ZenKai Uni

monospaced.plain.latin-1=DejaVu LGC Sans Mono  
monospaced.plain.japanese-x0208=Sazanami Gothic  
monospaced.plain.korean=Baekmuk Gulim  
monospaced.plain.chinese-big5=AR PL ShanHeiSun Uni  
monospaced.plain.chinese-gb18030=AR PL ShanHeiSun Uni

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monospaced.bold.japanese-x0208=Sazanami Gothic  
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monospaced.bold.chinese-gb18030=AR PL ShanHeiSun Uni

monospaced.italic.latin-1=DejaVu LGC Sans Mono Oblique  
monospaced.italic.japanese-x0208=Sazanami Gothic  
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monospaced.bolditalic.japanese-x0208=Sazanami Gothic  
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dialoginput.plain.latin-1=DejaVu LGC Sans Mono  
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dialoginput.italic.chinese-big5=AR PL ShanHeiSun Uni  
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dialoginput.bolditalic.japanese-x0208=Sazanami Gothic  
dialoginput.bolditalic.korean=Baekmuk Gulim  
dialoginput.bolditalic.chinese-big5=AR PL ShanHeiSun Uni  
dialoginput.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

#### # Search Sequences

sequence.allfonts=latin-1  
sequence.allfonts.Big5=chinese-big5,latin-1  
sequence.allfonts.x-euc-jp-bsd=japanese-x0208,latin-1  
sequence.allfonts.EUC-KR=korean,latin-1  
sequence.allfonts.GB18030=chinese-gb18030,latin-1  
sequence.fallback=chinese-big5,chinese-gb18030,japanese-x0208,korean

#### # Font File Names

filename.DejaVu\_LGC\_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf  
filename.DejaVu\_LGC\_Sans\_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf  
filename.DejaVu\_LGC\_Sans\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf  
filename.DejaVu\_LGC\_Sans\_Bold\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf

filename.DejaVu\_LGC\_Sans\_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf  
filename.DejaVu\_LGC\_Sans\_Mono\_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf  
filename.DejaVu\_LGC\_Sans\_Mono\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf  
filename.DejaVu\_LGC\_Sans\_Mono\_Bold\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-  
BoldOblique.ttf

filename.DejaVu\_LGC\_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf  
filename.DejaVu\_LGC\_Serif\_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf  
filename.DejaVu\_LGC\_Serif\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf  
filename.DejaVu\_LGC\_Serif\_Bold\_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-BoldOblique.ttf

filename.Sazanami\_Gothic=/usr/share/fonts/japanese/TrueType/sazanami-gothic.ttf  
filename.Sazanami\_Mincho=/usr/share/fonts/japanese/TrueType/sazanami-mincho.ttf  
filename.AR\_PL\_ShanHeiSun\_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf  
filename.AR\_PL\_ZenKai\_Uni=/usr/share/fonts/chinese/TrueType/ukai.ttf  
filename.Baekmuk\_Gulim=/usr/share/fonts/korean/TrueType/gulim.ttf  
filename.Baekmuk\_Batang=/usr/share/fonts/korean/TrueType/batang.ttf  
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*/

```

```
package build.tools.cldrconverter;
```

```
import java.util.Calendar;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;
```

```
class CopyrightHeaders {
 private static final String ORACLE2012 =
 "/*\n" +
 " * Copyright (c) %d, Oracle and/or its affiliates. All rights reserved.\n" +
 " */\n";

 private static final String ORACLE_AFTER2012 =
 "/*\n" +
 " * Copyright (c) 2012, %d, Oracle and/or its affiliates. All rights reserved.\n" +
 " */\n";

 private static final String UNICODE =
 "/*\n" +
 " * COPYRIGHT AND PERMISSION NOTICE\n" +
 " */\n" +
 " * Copyright (C) 1991-2012 Unicode, Inc. All rights reserved. Distributed under\n" +
 " * the Terms of Use in http://www.unicode.org/copyright.html.\n" +
 " */\n" +
 " * Permission is hereby granted, free of charge, to any person obtaining a copy\n" +
 " * of the Unicode data files and any associated documentation (the \"Data\n" +
 " * Files\") or Unicode software and any associated documentation (the\n" +
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```

```

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" * of the copyright holder.\n" +
" */\n";

```

```
private static String OPENJDK2012 =
```

```

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" * accompanied this code).\n" +
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" * Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.\n" +
" *\n" +

```

```

" * Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA\n" +
" * or visit www.oracle.com if you need additional information or have any\n" +
" * questions.\n" +
" */\n";

```

```

private static String OPENJDK_AFTER2012 =
"/*\n" +
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" * version 2 for more details (a copy is included in the LICENSE file that\n" +
" * accompanied this code).\n" +
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" * Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301 USA.\n" +
" */\n" +
" * Please contact Oracle, 500 Oracle Parkway, Redwood Shores, CA 94065 USA\n" +
" * or visit www.oracle.com if you need additional information or have any\n" +
" * questions.\n" +
" */\n";

```

```

static String getOracleCopyright() {
 int year = getYear();
 return String.format(year > 2012 ? ORACLE_AFTER2012 : ORACLE2012, year);
}

```

```

static String getUnicodeCopyright() {
 return UNICODE;
}

```

```

static String getOpenJDKCopyright() {
 int year = getYear();
 return String.format(year > 2012 ? OPENJDK_AFTER2012 : OPENJDK2012, year);
}

```

```

private static int getYear() {
 return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
 Locale.US).get(Calendar.YEAR);
}

```

```

}

// no instantiation
private CopyrightHeaders() {
}
}
#
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 \* questions.  
 \*/

```
import org.somewhere.ws.EchoRequest;
import org.somewhere.ws.EchoResponse;

public class CopyingResponse extends EchoResponse {

 public CopyingResponse() {}

 public CopyingResponse(EchoRequest request) {
 content = request.getContent();
 }
}
```

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 <title>W3C IPR SOFTWARE NOTICE</title>
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David Megginson <sax@megginson.com>  
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## 7.33 OpenSSL 1.0.2m

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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.

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1.6.1	1.6	2001	CNRI	no
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	2002-2003	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	2003	PSF	yes
2.3.3	2.3.2	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	
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2.5	2.4	2006	PSF	yes	
2.5.1	2.5	2007	PSF	yes	
2.5.2	2.5.1	2008	PSF	yes	
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	
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Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.keio.ac.jp/matsumoto/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/matsumoto/emt.html>  
email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and  
`:func:`getnameinfo``, which are coded in separate source files from the WIDE  
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-----  
**MD5 message digest algorithm**  
-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services

-----

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Cookie management

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Execution tracing

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UUencode and UUdecode functions

-----

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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

XML Remote Procedure Calls

-----



The `:mod:`xmlrpclib`` module contains the following notice::

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`test_epoll`

-----

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Select kqueue

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strtod and dtoa

-----

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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 (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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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
2.5.2	2.5.1	2008	PSF	yes
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
2.7	2.6	2010	PSF	yes

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## 7.41 Python 2.7.5 2.7.5

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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	2002-2003	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	2003	PSF	yes	
2.3.3	2.3.2	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	
2.5.2	2.5.1	2008	PSF	yes	
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	2010	PSF	yes	
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#### Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/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.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

#### Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Floating point exception control

-----  
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## MD5 message digest algorithm

-----

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of `md5.h` is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
- 1999-10-18 lpd Fixed typo in header comment (`ansi2knr` rather than `md5`); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
- 1999-05-03 lpd Original version.

Asynchronous socket services  
-----

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Execution tracing

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UUencode and UUdecode functions

-----

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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

#### XML Remote Procedure Calls

-----

The `:mod:`xmlrpc.lib`` module contains the following notice::

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test\_epoll

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Select kqueue

-----

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strtod and dtoa

-----

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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 (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
2.5.2	2.5.1	2008	PSF	yes
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
2.7	2.6	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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## 7.42 python-chardet 3.0.4

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## 7.43 python-devel 2.7.5 :58.el7.x86\_64

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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.

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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	2002-2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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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	
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2.4.4	2.4.3	2006	PSF	yes	
2.5	2.4	2006	PSF	yes	
2.5.1	2.5	2007	PSF	yes	
2.5.2	2.5.1	2008	PSF	yes	
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	
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Mersenne Twister

-----

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/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)`  
or `init_by_array(init_key, key_length)`.

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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and  
`:func:`getnameinfo``, which are coded in separate source files from the WIDE

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-----  
MD5 message digest algorithm  
-----

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L. Peter Deutsch

ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.  
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.  
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.  
1999-05-03 lpd Original version.

Asynchronous socket services

-----

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UUencode and UUdecode functions

-----

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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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-----  
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test\_epoll

-----

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Select kqueue

-----

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strtod and dtoa

-----

The file `:file:`Python/dtoa.c``, which supplies C functions `dtoa` and `strtod` for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on



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 *
 */
```

## OpenSSL

-----

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libffi

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`zlib`

----

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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 (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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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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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
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### History and License

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#### 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.

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1.3 thru 1.5.2   1.2	1995-1999   CNRI	yes	
1.6	1.5.2   2000	CNRI	no
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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
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2.2.2	2.2.1   2002	PSF	yes
2.2.3	2.2.2   2002-2003	PSF	yes
2.3	2.2.2   2002-2003	PSF	yes
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2.3.3	2.3.2   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
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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	
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2.6.2	2.6.1	2009	PSF	yes	
2.6.3	2.6.2	2009	PSF	yes	
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Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/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)`  
or `init_by_array(init_key, key_length)`.

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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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MD5 message digest algorithm

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite

(section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

- 2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
- 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
- 1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
- 1999-05-03 lpd Original version.

#### Asynchronous socket services

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UUencode and UUdecode functions

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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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-----

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This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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### 3. Are derivative works allowed?

Yes!

### 4. Can I change or add to the font(s)?

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### 5. Under what terms are derivative works allowed?

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7. I want to sell a software package that uses these fonts: Can I do so?

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Included here to compliment the Pthreads-win32 license header in wtf/ThreadingWin.cpp file. WebKit is using derived sources of ThreadCondition code from Pthreads-win32.

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implementation of MCS (Mellor-Crummey/Scott) locks.

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The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 8, this Section 8 shall be controlling over the terms of the Non-Disclosure Agreement.

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This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 8. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable

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This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes arising out of or relating to this Agreement shall be resolved in arbitration under the Rules of Arbitration of the Chamber of Commerce of Helsinki, Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

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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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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.

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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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Digia may include Licensee's company name and logo in a publicly available list of Digia customers and in its public communications.

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Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

#### 13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement



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If credit has been extended to Licensee by Digia, all payments under this Agreement are due within thirty (30) days of the date Digia mails its invoice to Licensee. If Digia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Digia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

#### 13.7. Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party for fulfilling its obligations under this Agreement.

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Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

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Attn: Qt / Legal

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Fax: +358 10 313 3700

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## 11. SUPPORT AND UPDATES

Licensee will be eligible to receive Support and Updates during the Initial Term, in accordance with Digia's then current policies and procedures, if any. Such policies and procedures may be changed from time to time. Following the Initial Term, Digia shall no longer make the Licensed Software available to Licensee unless Licensee purchases additional Support and Updates according to this Section 11 below.

Licensee may purchase additional Support and Updates following the Initial Term at Digia's terms and conditions applicable at the time of renewal.

## 12. CONFIDENTIALITY

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Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly

or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its own confidential and proprietary information.

"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by employees of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means. The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

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#### 13.1 Marketing

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#### 13.3 Termination

Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party. Upon termination of the Licenses, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

#### 13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

### 13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

### 13.6 Payment and Taxes

If credit has been extended to Licensee by Digia, all payments under this Agreement are due within thirty (30) days of the date Digia mails its invoice to Licensee. If Digia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Digia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

### 13.7 Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party from fulfilling its obligations under this Agreement.

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Notices to Digia shall be given to:

Digia Finland Ltd

Attn: Qt Commercial

Valimotie 21

FI-00380 Helsinki

Finland

Fax: +358 10 313 3700

### 13.9 Export Control



Licensee acknowledges that the Licensed Software may be subject to export control restrictions of various countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the importation of the Licensed Software and/or Modified Software and/or Applications and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Licensed Software, Modified Software or Applications.

#### 13.10 Governing Law and Legal Venue

This Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions. Any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of the Central Chamber of Commerce of Finland. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language.

#### 13.11 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with Digia and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software and/or Modified Software, as applicable, with any other software or hardware not delivered by Digia under this Agreement.

### Appendix 1

#### 1. Parts of the Licensed Software that are permitted for distribution ("Redistributables")

- The Licensed Software's main and plug-in libraries in object code form
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's designer tool ("Qt Designer")
- The Licensed Software's IDE tool ("Qt Creator")
- The Licensed Software's QML ("Qt Quick") launcher tool in object code/executable form

#### 2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to

- The Licensed Software's source code and header files
- The Licensed Software's documentation
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
- The Licensed Software's generator (only in the case of Qt Jambi if applicable)
- The Licensed Software's Qt SDK

QT COMMERCIAL ALL OPERATING SYSTEMS DEVELOPER LICENSE AGREEMENT

DIGIA FINLAND LTD | VALIMOTIE 21 | FI-00380 HELSINKI FINLAND |  
| TEL +358 (0) 10 313 3000 | FAX +358 (0) 10 313 3700 |  
PLACE OF REGISTERED OFFICE: HELSINKI | VAT REG. |  
| BUSINESS ID 1091248-4 |  
WWW.DIGIA.COM

## Qt LICENSE AGREEMENT

Agreement version 3.9.2

This License Agreement for Qt ("Agreement") is a legal agreement between Digia USA Inc. ("Digia"), with its registered office at 32 W. Loockerman Street, Suite 201, City of Dover, County of Kent, Delaware 19904, U.S.A. and you (either an individual or a legal entity) ("Licensee") for the Licensed Software (as defined below).

### 1. DEFINITIONS

"Affiliate" of a Party shall mean an entity (i) which is directly or indirectly controlling such Party; (ii) which is under the same direct or indirect ownership or control as such Party; or (iii) which is directly or indirectly owned or controlled by such Party. For these purposes, an entity shall be treated as being controlled by another if that other entity has fifty percent (50 %) or more of the votes in such entity, is able to direct its affairs and/or to control the composition of its board of directors or equivalent body.

"Applications" shall mean Licensee's software products created using the Licensed Software which may include portions of the Licensed Software.

"Designated User(s)" shall mean the employee(s) of Licensee acting within the scope of their employment or Licensee's consultant(s) or contractor(s) acting within the scope of their services for Licensee and on behalf of Licensee.

"Initial Term" shall mean the period of time one (1) year from the later of (a) the Effective Date; or (b) the date the Licensed Software was initially delivered to Licensee by Digia. If no specific Effective Date is set forth in the Agreement, the Effective Date shall be deemed to be the date the Licensed Software was initially delivered to Licensee.

"License Certificate" shall mean the document accompanying the Licensed Software which specifies the modules which are licensed under the Agreement, Platforms and Designated Users.

"Licensed Software" shall mean the computer software, "online" or electronic documentation, associated media and printed materials, including the source code, example programs and the documentation delivered by Digia to Licensee in conjunction with this Agreement. Licensed Software does not include Third Party Software (as defined in Section 7).

"Modified Software" shall mean modifications made to the Licensed Software by Licensee.

"Nokia" shall mean Digia Plc, a corporation incorporated under the laws of Finland, having its registered office at PO box 226, 00045 Nokia Group, Finland (visiting address Keilalahdentie 4, 02150 Espoo, Finland) and registered with the Finnish Trade Register under business ID 0112038-9 and acting on behalf of its respective Affiliates.

"Party or Parties" shall mean Licensee and/or Digia.

"Platforms" shall mean the operating systems listed in the License Certificate.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1, Section 1 that may be distributed with or as part of Applications in object code form.

"Support" shall mean standard developer support that is provided by Digia to assist eligible Designated Users in using the Licensed Software in accordance with its established standard support procedures listed at:

<http://qt.digia.com>.

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- (ii) distribution of the Licensed Software with a device designed to facilitate the installation of the Licensed Software onto the same device where the main user interface of such device is provided by Application(s) created by Licensee or others, using the Licensed Software or any Qt or a Qt-based product, and depends on the Licensed Software.

### 5.3 Further Requirements

It is expressly acknowledged and understood by Licensee, that Licensee is strictly prohibited from using Licensed Software for creation of mobile phones or tablet computers targeted for consumer end users.

The aforementioned shall not prohibit Licensee from using Licensed Software for the purpose of creating of applications for any devices, including mobile phone and tablet computers.

Notwithstanding anything contrary to this Agreement, it is expressly acknowledged and understood by Licensee, that Nokia shall hereby be named as a third party beneficiary under this Agreement with respect to this Section 5.3. Therefore, Nokia shall have the same rights as Digia under this Agreement with respect to this Section 5.3, and shall be entitled to exercise such rights independent from Digia.

The licenses granted in this Section 5 by Digia to Licensee and Licensee Affiliates are subject to Licensee and Licensee Affiliate's compliance with Section 8 of this Agreement.

## 6. VERIFICATION

Digia or a certified auditor on Digia's behalf, may, upon its reasonable request and at its expense, audit Licensee with respect to the use of the Licensed Software. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. Digia shall not remove, copy, or redistribute any electronic material during the course of an audit. If an audit reveals that Licensee is using the Licensed Software in a way that is in material violation of the terms of the Agreement, then Licensee shall pay Digia's reasonable costs of conducting the audit. In the case of a material violation, Licensee agrees to pay Digia any amounts owing that are attributable to the unauthorized use. In the alternative, Digia reserves the right, at Digia's sole option, to terminate the licenses for the Licensed Software.

## 7. THIRD PARTY SOFTWARE

The Licensed Software may provide links to third party libraries or code (collectively "Third Party Software") to implement various functions. Third Party Software does not comprise part of the Licensed Software. In some cases, access to Third Party Software may be included along with the Licensed Software delivery as a convenience for development and testing only. Such source code and libraries may be listed in the ".../src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software where the Third Party Software is used, as may be amended from time to time, do not comprise the Licensed Software. Licensee acknowledges (1) that some part of Third Party Software may require additional licensing of copyright and patents from the owners of such, and (2) that distribution of any of the Licensed Software referencing any portion of a Third Party Software may require appropriate licensing from such third parties.

## 8. CONDITIONS FOR CREATING APPLICATIONS AND DISTRIBUTING REDISTRIBUTABLES

The licenses granted in this Agreement for Licensee to create Applications and distribute them and the Redistributables (if any) to Licensee's customers is subject to all of the following conditions: (i) all copies of the Applications which Licensee creates must bear a valid copyright notice, either Licensee's own or the copyright

notice that appears on the Licensed Software; (ii) Licensee may not remove or alter any copyright, trademark or other proprietary rights notice contained in any portion of the Licensed Software, including but not limited to the About Boxes in "Qt Assistant" and "Qt Linguist" as defined in Appendix 1; (iii) Redistributables, if any, shall be licensed to Licensee's customer "as is"; (iv) Licensee shall indemnify and hold Digia, its Affiliates, contractors, suppliers, and licensors harmless from and against any claims or liabilities arising out of the use, reproduction or distribution of Applications; (v) Applications must be developed using a licensed, registered copy of the Licensed Software; (vi) Applications must add primary and substantial functionality to the Licensed Software; (vii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software, however Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s); (viii) Applications may not compete with the Licensed Software; (ix) Licensee may not use Digia's or any of its suppliers' names, logos, or trademarks to market Application(s), except to state that Application was developed using the Licensed Software.

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"Confidential Information" shall not include information that (a) is or becomes generally known to the public through no act or omission of the Receiving Party; (b) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (c) is developed by employees of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party or by persons who have not had access to the Confidential Information of the Disclosing Party as proven by the written records of the Receiving Party; (d) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (e) the Receiving Party is legally compelled to disclose the information, in which case the Receiving Party shall assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to protect against and prevent disclosure of any Confidential Information and to limit the scope of disclosure and the dissemination of disclosed Confidential Information by all legally available means. The obligations of the Receiving Party under this Section shall continue during the Initial Term and for a period of five (5) years after expiration or termination of this Agreement. To the extent that the terms of the Non-Disclosure Agreement between Digia and Licensee conflict with the terms of this Section 12, this Section 12 shall be controlling over the terms of the Non-Disclosure Agreement.

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other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party. Upon termination of this Agreement, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

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special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

Notices to Digia shall be given to:

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Santa Clara, CA 95054  
U.S.A.  
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### 13.10 Governing Law and Legal Venue

This Agreement shall be governed by and construed in accordance with the federal laws of the United States of America and the internal laws of the State of New York without given effect to any choice of law rule that would result in the application of the laws of any other jurisdiction. The United Nations Convention on Contracts for the International Sale of Goods (CISG) shall not apply. Each Party (a) hereby irrevocably submits itself to and consents to the jurisdiction of the United States District Court for the Southern District of New York (or if such court lacks jurisdiction, the state courts of the State of New York) for the purposes of any action, claim, suit or proceeding between the Parties in connection with any controversy, claim, or dispute arising out of or relating to this Agreement; and (b) hereby waives, and agrees not to assert by way of motion, as a defence or otherwise, in any such action, claim, suit or proceeding, any claim that is not personally subject to the jurisdiction of such court(s), that the action, claim, suit or proceeding is brought in an inconvenient forum or that the venue of the action, claim, suit or proceeding is improper. Notwithstanding the foregoing, nothing in this Section 13.10 is intended to, or shall be deemed to, constitute a submission or consent to, or selection of, jurisdiction, forum or venue for any action for patent infringement, whether or not such action relates to this Agreement.

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pursuant to this Agreement.

## Appendix 1

### 1. Parts of the Licensed Software that are permitted for distribution ("Redistributables"):

- The Licensed Software's main and plug-in libraries in object code form
- The Licensed Software's configuration tool ("qtconfig")
- The Licensed Software's help tool in object code/executable form ("Qt Assistant")
- The Licensed Software's internationalization tools in object code/executable form ("Qt Linguist", "lupdate", "lrelease")
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- The Licensed Software's IDE tool ("Qt Creator")
- The Licensed Software's QML ("Qt Quick") launcher tool in object code/executable form

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Qt LICENSE AGREEMENT

Agreement version 3.9.2

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#### 12. CONFIDENTIALITY

Each party acknowledges that during the Initial Term of this Agreement it shall have access to information about the other party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other party, and the value of which would be significantly reduced if disclosed to third parties (the "Confidential Information"). Accordingly, when a party (the "Receiving Party") receives Confidential Information from another party (the "Disclosing Party"), the Receiving Party shall, and shall obligate its employees and agents and employees and agents of its affiliates to: (i) maintain the Confidential Information in strict confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each party shall take reasonable measures to protect the Confidential Information of the other party, which measures shall not be less than the measures taken by such party to protect its

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#### 13.2 No Assignment

Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of Digia, which shall not be unreasonably withheld. Digia shall be entitled to assign or transfer any of its rights, benefits or obligations under this Agreement on an unrestricted basis.

#### 13.3 Termination

Digia may terminate the Agreement at any time immediately upon written notice by Digia to Licensee if Licensee breaches this Agreement.

Either party shall have the right to terminate this Agreement immediately upon written notice in the event that the other party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other party. Upon termination of this Agreement, Licensee shall return to Digia all copies of Licensed Software that were supplied by Digia. All other copies of Licensed Software in the possession or control of Licensee must be erased or destroyed. An officer of Licensee must promptly deliver to Digia a written confirmation that this has occurred.

#### 13.4 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections: 2, 5.1, 6, 7, 8(iv), 10, 12, 13.5, 13.6, 13.9, 13.10 and 13.11 of this Agreement. Notwithstanding the foregoing, Section 5.1 shall not survive if the Agreement is terminated for material breach.

#### 13.5 Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this

Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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### 13.8 Notices

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Any terms and conditions that by their nature or otherwise reasonably should survive a cancellation or termination of this Agreement shall also be deemed to survive. Such terms and conditions include, but are not limited to the following Sections 2, 5.1, 6, 7, 8(iii), 10, 12, 13.5, 13.6, 13.9, 13.10, and 13.11 shall survive the termination of the Agreement. Notwithstanding the foregoing, Sections 5.1 shall not survive if the Agreement is terminated for material breach.

#### 13.5. Entire Agreement

This Agreement constitutes the complete agreement between the parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein, with the exception of the non-disclosure agreement executed by the parties in connection with this Agreement ("Non-Disclosure Agreement"), if any, shall be subject to Section 12. No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each party. No term or condition contained in Licensee's purchase order shall apply unless expressly accepted by Digia in writing. If any provision of the Agreement is found void or unenforceable, the remainder shall remain valid and enforceable according to its terms. If any remedy provided is determined to have failed for its essential purpose, all limitations of liability and exclusions of damages set forth in this Agreement shall remain in effect.

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If credit has been extended to Licensee by Digia, all payments under this Agreement are due within thirty (30) days of the date Digia mails its invoice to Licensee. If Digia has not extended credit to Licensee, Licensee shall be required to make payment concurrent with the delivery of the Licensed Software by Digia. All amounts payable are gross amounts but exclusive of any value added tax, use tax, sales tax or similar tax. Licensee shall be entitled to withhold from payments any applicable withholding taxes and comply with all applicable tax and employment legislation. Each party shall pay all taxes (including, but not limited to, taxes based upon its income) or levies imposed on it under applicable laws, regulations and tax treaties as a result of this Agreement and any payments made hereunder (including those required to be withheld or deducted from payments). Each party shall furnish evidence of such paid taxes as is sufficient to enable the other party to obtain any credits available to it, including original withholding tax certificates.

#### 13.7. Force Majeure

Neither party shall be liable to the other for any delay or non-performance of its obligations hereunder other than the obligation of paying the license fees in the event and to the extent that such delay or non-performance is due to an event of Force Majeure (as defined below). If any event of Force Majeure results in a delay or non-performance of a party for a period of three (3) months or longer, then either party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other party. A "Force Majeure" event shall mean an act of God, terrorist attack or other catastrophic event of nature that prevents either party from fulfilling its obligations under this Agreement.

#### 13.8. Notices

Any notice given by one party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified below. Each communication and document made or delivered by one party to the other party pursuant to this Agreement shall be in the English language or accompanied by a translation thereof.

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Agreement version 1.3.2

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/* ***** */
/* * */
/* * Parts of this software have been adapted from the libpng package. */
/* * Although this library supports all features from the PNG specification */
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/* * It does require the zlib library and optionally the IJG jpeg library, */
/* * and/or the "little-cms" library by Marti Maria (depending on the */
/* * inclusion of support for JNG and Full-Color-Management respectively. */
/* * */
/* * This library's function is primarily to read and display MNG */
/* * animations. It is not meant as a full-featured image-editing */
/* * component! It does however offer creation and editing functionality */
/* * at the chunk level. */
/* * (future modifications may include some more support for creation */
/* * and or editing) */
/* * */
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```

```

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re-implemented pthread\_once (version 2)  
(pthread\_once cancellation added by rpj).

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reimplemented pthread\_once with the same form  
as described by A.Terekhov (later version 2);  
implementation of MCS (Mellor-Crummey/Scott) locks.

PCRE is a library of functions to support regular expressions whose syntax  
and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library  
started out as a copy of PCRE, many of the features of PCRE have been  
removed.

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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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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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.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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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 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.

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:

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To apply these terms, attach the following notices to the library. 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 library's name and a brief idea of what it does.>  
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<signature of Ty Coon>, 1 April 1990  
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For example, if you distribute copies of the library, whether gratis  
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code. If you link a program with the library, you must provide  
complete object files to the recipients so that they can relink them  
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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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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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- 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.

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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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Version 2.1, February 1999

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```
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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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```
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```

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

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@item

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to copy the Corresponding Source from a network server at no charge.

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@item

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```
@smallexample
```

```
@var{one line to give the program's name and a brief idea of what it does.}
```

```
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```

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```
@end smallexample
```

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```
@smallexample
```

```
@var{program} Copyright (C) @var{year} @var{name of author}
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
```

```
This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
```

```
@end smallexample
```

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/* * at the chunk level. * */
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THE BASIC LIBRARY FUNCTIONS  
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Written by: Philip Hazel

Email local part: ph10  
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/*!
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```
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```
\title Open Source Licensing of Qt
```

```
\ingroup licensing
```

```
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\title Licenses for Fonts Used in Qt for Embedded Linux
\ingroup qt-embedded-linux
\ingroup licensing
```

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\tableofcontents

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\note Cross-module dependencies are also described on a general level. All Qt modules depend on \l{Qt Core}.

\table 80%

\header \li Qt Module/Tool \li Component \li Description \li License Type \li Notes

\row \li {1,25} Qt Core

\row \li \l{QCrashHandler class} {QCrashHandler}

\li Parts of implementation of QCrashHandler class. \li BSD-style \li

\row \li \l{QUrl::fromUserInput} {QUrl} \li Implementation of QUrl::fromUserInput(). \li Modified BSD \li

\row \li \l{Contributions to the Cocoa Platform Plugin Files} {Cocoa Platform Plugin}

\li Specific parts of the Qt for Mac OS X Cocoa port. \li BSD-style \li \l{Qt for Mac OS X}

\row \li \l{The qtmain Library} {qtmain library}

\li A helper library for writing a cross-platform main() function on Windows. \li Modified BSD \li \l{Qt for Windows}

\row \li \l{DES (des.cpp)} {DES}

\li Implementation of DES encryption (des.cpp). \li MIT \li

\row \li \l{Shift-JIS Text Codec}

\li A character encoding for Japanese. \li BSD-style \li

\row \li \l{ISO-2022-JP (JIS) Text Codec}

\li A widely used encoding for Japanese. \li BSD-style \li

\row \li \l{EUC-JP Text Codec}

\li EUC-JP is a variable-width encoding used to represent the elements of three Japanese character set standards. \li BSD-style \li

\row \li \l{EUC-KR TextCodec}

\li Extended Unix Code (EUC) is a multibyte character encoding system used primarily for Japanese, Korean, and simplified Chinese. \li BSD-style \li

\row \li \l{GBK Text Codec}

\li GBK is an extension of the GB2312 character set for simplified Chinese characters, used mainland China. \li BSD-style \li

\row \li \l{Big5 Text Codec}

\li Big5, or BIG-5, is a Chinese character encoding method used for Traditional Chinese characters. \li BSD-style \li

\row \li \l{TSCII Text Codec}

\li The TSCII codec provides conversion to and from the Tamil TSCII encoding. \li BSD-style \li

\row \li \l{Stack-less Just-In-Time compiler}

\li A platform-independent JIT compiler. \li BSD \li

\row \li \l{Parts of the codecs implemented by Qt}

\li \li BSD \li

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\row \li \l {Unicode}
 \li Unicode character data. \li Permissive, GPL-compatible \li
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 \li Macros used in CMake files for building Qt. \li BSD \li
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 \li The PCRE library is a set of functions that implement regular expression pattern matching using the same
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 \li BSD-style \li

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 \li GNU C++ run-time library (libstdc++) for Android. \li GPLv3 with exception \li \l {Qt for Android}
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 \li implements the MD4 message-digest algorithm. \li BSD \li
\row \li \l {MD5 (md5.cpp and md5.h)} {MD5}
 \li implements the MD5 message-digest algorithm. \li BSD \li
\row \li \l {SHA-1 (sha1.cpp)} {SHA-1}
 \li implements the SHA-1 encryption algorithm. \li BSD \li
\row \li \l {SHA-3, originally known as Keccak} {SHA-3}
 \li implements the SHA-3 encryption algorithm. \li BSD \li
\row \li \l {Data Compression Library (zlib) version 1.2.5} {zlib}
 \li zlib is a general purpose data compression library. \li BSD-style \li
\row \li \li \li \li \li

\row \li {1,11} Qt Gui
\row \li \l {QKeyMapper class on X11 platforms} {QKeyMapper}
 \li Internal class for key mapping. \li Custom, BSD-style \li \l {Qt for Linux/X11}

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 \li A library for reducing the time and effort it takes to support the PNG format. \li BSD-style \li
\row \li \l {Pixman (pixman) version 0.17.11} {Pixman}
 \li Pixman is a library that provides low-level pixel manipulation features such as image compositing and
trapezoid rasterization. \li BSD-style \li
\row \li \l {Drag and Drop}
 \li Allows users to transfer information between and within applications. \li BSD-style \li
\row \li \l {ANGLE (angle)} {ANGLE}
 \li Opensource project to map OpenGL ES API calls to DirectX API. \li BSD-style \li \l {Qt for Windows}
\row \li \li \li \li \li

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\row \li {1,3} Qt Location

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{Poly2Tri}

\li Poly2Tri is a sweepline constrained Delaunay Polygon Triangulation Library. \li BSD-style \li

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\row \li {1,3} Qt Network

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\row \li {1,3} Qt Multimedia

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{FFTRReal version 2.11}{FFTRReal}

\li Fast Fourier transform of real-valued arrays. \li LGPL \li (Used in example code).

\row \li \li \li \li \li

\row \li {1,2} Qt SVG

\row \li \l{Qt SVG License Information}

\li Parts of code for arc handling in Qt SVG module. \li BSD-style \li Depends on Qt Gui, Qt Widgets

\row \li {1,3} Qt Quick

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{Easing Equations}

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\row \li \li \li \li \li

\row \li {1,5} Qt Script

\li \li \li (Provided for Qt 4 compatibility) \li

\row \li \l{V8 benchmark tests}

\li V8 benchmark tests used in Qt Script. \li BSD-style \li

\row \li \l{Sunspider benchmark tests}

\li Sunspider benchmark tests used in Qt Script. \li BSD-style \li

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{JavaScriptCore}

\li \li BSD-style \li

\row \li \li \li \li \li

\row \li {1,6} Qt Test

\row \li \l{Other Licenses Used in Qt#Testlib}{Testlib}  
\li Parts of implementation of Qt Test library. \li BSD, MIT \li

\row \li {4,1} \b{Third-party Licenses}

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\li A code analysis tool for detecting memory leaks. \li GPL v2 \li

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\li A performance profiling tool. \li GPL v2 \li

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\li Notes about PDF Licensing. \li \li

\row \li {1,4} Qt WebKit

\row \li \l{WebKit used by the QtWebKit module}  
\li Parts of WebKit used by the QtWebKit module \li BSD-style \li Depends on Qt Gui, Qt Network, Qt SQL, Qt QML, and Qt Quick

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{WebCore (WebKit)}{WebCore}  
\li A layout, rendering, and Document Object Model (DOM) library for HTML and SVG. \li LGPL, MIT, BSD-style \li

\row \li {1,2} Qt Designer

\row \li \l{Qt Designer License Information}  
\li Implementation of the recursive shadow casting algorithm in Qt Designer. \li BSD (MIT) \li

\row \li {1,3} Qt Creator

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{Botan version 1.8.8}{Botan}  
\li A C++ crypto library used in Qt Creator. \li BSD \li

\row \li \li \li \li \li

\row \li {1,4} Qt Image Formats

\row \li {4,1} \b{Third-party Licenses}

\row \li \l{TIFF Software Distribution (libtiff) version 3.9.2}{TIFF}  
\li libtiff is a set of C functions (a library) that support the manipulation of TIFF image files. \li BSD \li

\row \li \l{MNG Library (libmng) version 1.0.10}{MNG}  
\li Support decoding and displaying of MNG format image files. \li BSD-style \li



```

\row \li {1,2} Qt SQL

\row \li \l{SQLite (sqlite) version 3.7.17.0}{SQLite}
\li A C library that implements a self-contained, embeddable, zero-configuration SQL database engine. \li BSD-
style \li

\row \li {1,2} Qt XML Patterns

\row \li \l{Bison Parser 2.3a}{Bison Parser}
\li Bison is a parser generator. \li GPL with exception \li Depends on Qt Network

\row \li {1,8} Plugins

\row \li \l{JPEG Software (libjpeg) version 8c}{JPEG}
\li C software to implement JPEG image compression and decompression. \li BSD-style \li
\row \li \l{IAccessible2 IDL Specification}{IAccessible2}
\li An accessibility API for Microsoft Windows applications. \li BSD \li \l{Qt for Windows}
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\li A CPU tick counter. \li MIT \li
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\li \li BSD-style \li
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\li A C language binding for the X Window System. \li BSD-style \li \l{Qt for Linux/X11}
\row \li \l{at-spi and at-spi2}
\li A toolkit-neutral way of providing accessibility facilities in application. \li LGPL \li \l{Qt for Linux/X11}
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\li Keymap handling library for toolkits and window systems. \li BSD-style \li \l{Qt for Linux/X11}

\row \li {1,3} Qt Tools

\row \li {4,1} \b{Third-party Licenses}
\row \li \l{Clucene Core Library}
\li A high-performance, full-featured text search engine written in C++. \li LGPL/Apache \li

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\title Other Licenses Used in Qt

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\section1 QCrashHandler class

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\li Parts of the QCrashHandler class

\endlist

\section1 FreeType

Parts of the FreeType projects have been modified and put into Qt  
for use in the painting subsystem. These files are ftraster.h,  
ftraster.c, ftgrays.h and ftgrays.c. The following modifications  
has been made to these files:

\list

\li Renamed FT\_ and ft\_ symbols to QT\_FT\_ and qt\_ft\_ to avoid name  
conflicts in \c{qcrasterdefs\_p.h}.

- \li Removed parts of code not relevant when compiled with `_STANDALONE_` defined.
  - \li Changed behavior in `\c{ftraster.c}` to follow X polygon filling rules.
  - \li Implemented support in `\c{ftraster.c}` for winding / odd even polygon fill rules.
  - \li Replaced bitmap generation with span generation in `\c{ftraster.c}`.
  - \li Renamed `\c{ftraster.h}` as `\c{qblackraster_p.h}`.
  - \li Renamed `\c{ftraster.c}` as `\c{qblackraster.c}`.
  - \li Renamed `\c{ftgrays.h}` as `\c{qgrayraster_p.h}`.
  - \li Renamed `\c{ftgrays.c}` as `\c{qgrayraster.c}`.
- \endlist

See `\c qtbase/src/3rdparty/freetype/docs/FTL.txt` and `\c qtbase/src/3rdparty/freetype/docs/GPL.txt` for license details.

#### \section1 QKeyMapper class on X11 platforms

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- \list
  - \li Parts of the internal QKeyMapper class on X11 platforms
- \endlist

#### \section1 QUrl::fromUserInput

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```
\list
\li qtbase/src/corelib/io/qurl.cpp
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```

```
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\list

\li valgrind\_p.h in qtbase/src/testlib/3rdparty

\endlist

\hr

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\li cycle\_p.h in qtbase/src/testlib/3rdparty

\endlist

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\list
\li callgrind_p.h in qtbase/src/testlib/3rdparty
\endlist
```

```
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```

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\list
- ANGLE library in qtbase/src/testlib/3rdparty/angle

\endlist
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\list  
\li Parts of WebKit used by the QtWebKit module  
\endlist

\hr

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```
\list
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```
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```

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```
\list
\li Included in \c{util/unicode/data},
\c{tests/auto/qtextboundaryfinder/data} and
\c{tests/auto/qchar}
\li Parts of the \l makeqpf tool
\endlist
```

```
\section1 Macros for building Qt files
```

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```
\list
\li qtbase/src/corelib/Qt5CoreMacros.cmake
\li qtbase/src/dbus/Qt5DBusMacros.cmake
```

```
\li qtbase/src/widgets/Qt5WidgetsMacros.cmake
\li qttools/src/linguist/Qt5LinguistToolsMacros.cmake
\endlist
```

```
\section1 The PCRE library
```

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POSSIBILITY OF SUCH DAMAGE.

```
\list
\li The PCRE library in \c{qtbase/src/3rdparty/pcre}
\endlist
```

```
\section1 DES (\c des.cpp)
```

```
\e{Implementation of DES encryption for NTLM}\br
\e{Copyright 1997-2005 Simon Tatham.}\br
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```

See `\c qtbase/src/3rdparty/des/des.cpp` for more information about the terms and conditions under which the code is supplied.

`\hr`

`\b Licenses that apply to tests.`

`\hr`

The following licenses apply to some tests.

These are not by default shipped with Qt but part of the tests directory of a source checkout.

`\section1 V8 benchmark tests`

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`\list`

`\li \c { tests/benchmarks/script/v8/tests/richards.js }`

`\endlist`

\section1 Sunspider benchmark tests

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\list

- \li \c{tests/benchmarks/script/sunspider/tests/3d-morph.js},  
 \c{tests/benchmarks/script/sunspider/tests/3d-raytrace.js},  
 \c{tests/benchmarks/script/sunspider/tests/bitops-bitwise-and.js} and  
 \c{tests/benchmarks/script/sunspider/tests/string-tagcloud.js}

\endlist

\hr

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```
\list
\li \c{benchmarks/script/sunspider/tests/math-cordic.js}
\endlist
```

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```

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```
**
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```

```
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\page android_runtime_licensing_notes.html
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\ingroup licensing
\brief Provides additional information about the licensing of run-time dependencies of Qt for Android
```

The Android platform does not provide a full implementation of the C++ run-time. Instead, apps that depend on features such as STL, exceptions, or RTTI, must include an additional native run-time library that provides the features they need.

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\page 3rdparty.html

\title Third-Party Licenses Used in Qt

\ingroup licensing

\brief License information for third-party libraries supplied with Qt.

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Run `{configure -help}` to see any options that may be available for controlling the use of these libraries.

Modifications, if any, done to the third-party libraries can normally be found by reviewing the change history of the corresponding files in the public Qt repository.

\tableofcontents

\section1 FreeType 2 (freetype) version 2.3.12

`{The FreeType project is a team of volunteers who develop free, portable and high-quality software solutions for digital typography. We specifically target embedded systems and focus on bringing small, efficient and ubiquitous products.}` -- quoted from `{3rdparty/freetype/docs/freetype2.html}`.

See `{qtbase/src/3rdparty/freetype/docs/FTL.txt}` and `{qtbase/src/3rdparty/freetype/docs/GPL.txt}` for license details.

See also the files in `{qtbase/src/3rdparty/harfbuzz}`, which are used by FreeType.

Parts of the FreeType projects have been modified and put into Qt for use in the painting subsystem. These files are `{fraster.h}`, `{fraster.c}`, `{ftgrays.h}` and `{ftgrays.c}`. The following modifications has been made to these files:

\list

\li Renamed `{FT_}` and `{ft_}` symbols to `{QT_FT_}` and `{qt_ft_}` to avoid name

conflicts.

- \li Removed parts of code not relevant when compiled with `_STANDALONE_` defined.

- \li Changed behavior in `ftraster.c` to follow X polygon filling rules.

- \li Implemented support in `ftraster.c` for winding / odd even polygon fill rules.

- \li Replaced bitmap generation with span generation in `ftraster.c`

- \li Renamed: `ftraster.h` to `qblackraster_p.h`

- \li Renamed: `ftraster.c` to `qblackraster.c`

- \li Renamed: `ftgrays.h` to `qgrayraster_p.h`

- \li Renamed: `ftgrays.c` to `qgrayraster.c`

\endlist

\hr

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\list

- \li Parts of the FreeType library

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\section1 HarfBuzz (harfbuzz)

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-- quoted from \c qtbase/src/3rdparty/harfbuzz/README.

\hr

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`\section1 JPEG Software (libjpeg) version 8c`

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\section1 MD4 (md4.cpp and md4.h)

\e{MD4 (RFC-1320) message digest.}\br

\e{Modified from MD5 code by Andrey Panin <pazke@donpac.ru>}

Written by Solar Designer <solar@openwall.com> in 2001, and placed in the public domain. There's absolutely no warranty.

See \c qtbase/src/3rdparty/md4/md4.cpp and \c qtbase/src/3rdparty/md4/md4.h for more information about the terms and conditions under which the code is supplied.

\section1 MD5 (md5.cpp and md5.h)

\e{This code implements the MD5 message-digest algorithm.

The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed.

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\c qtbase/src/3rdparty/md5/md5.h

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\section1 MNG Library (libmng) version 1.0.10

\e{The libmng library supports decoding, displaying, encoding, and various other manipulations of the Multiple-image Network Graphics (MNG) format image files. It uses the zlib compression library, and optionally the

JPEG library by the Independent JPEG Group (IJG) and/or lcms (little cms), a color-management library by Marti Maria Saguer.}

-- quoted from \c qtimageformats/src/3rdparty/libmng/doc/libmng.txt

See \c qtimageformats/src/3rdparty/libmng/LICENSE for license details.

\section1 PNG Reference Library (libpng) version 1.5.10

\e{Libpng was written as a companion to the PNG specification, as a way of reducing the amount of time and effort it takes to support the PNG file format in application programs.} -- quoted from \c qtbase/src/3rdparty/libpng/libpng-manual.txt.

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\section1 SHA-1 (sha1.cpp)

\e{Based on the public domain implementation of the SHA-1 algorithm}\br  
\e{Copyright (C) Dominik Reichl <dominik.reichl@t-online.de>}

See \c qtbase/src/3rdparty/sha1/sha1.cpp for more information about the terms and conditions under which the code is supplied.

\section1 SHA-3, originally known as Keccak

\e{SHA-3, originally known as Keccak, is a cryptographic hash function designed by Guido Bertoni, Joan Daemen, Michal Peeters, and Gilles Van Assche, building upon RadioGatn.}

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\section1 SQLite (sqlite) version 3.7.17.0

\e{SQLite is a small C library that implements a self-contained, embeddable, zero-configuration SQL database engine.}

According to the comments in the source files, the code is in the public domain. See the

\l{<http://www.sqlite.org/copyright.html>}{SQLite Copyright} page on the SQLite web site for further information.

\section1 TIFF Software Distribution (libtiff) version 3.9.2

\e {libtiff is a set of C functions (a library) that support the manipulation of TIFF image files.}

-- quoted from \c qtimageformats/src/libtiff/html/libtiff.html

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See `\c qtimageformats/src/3rdparty/libtiff/README` for license details.

\section1 Wintab API (wintab)

Wintab is a de facto API for pointing devices on Windows. The wintab code is from `\l{http://www.pointing.com/WINTAB.HTM}`.

See `\c qtbase/src/3rdparty/wintab/wintab.h` for license details.

\section1 Data Compression Library (zlib) version 1.2.5

\e{zlib is a general purpose data compression library. All the code is thread safe. The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952} -- quoted from `\c qtbase/src/3rdparty/zlib/README`.

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See \c qtscript/src/3rdparty/javascriptcore/JavaScriptCore/wtf/dtoa.cpp for license details.

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\section1 Pixman (pixman) version 0.17.11

\e{pixman is a library that provides low-level pixel manipulation features such as image compositing and trapezoid rasterization.} -- quoted from \c qtbase/src/3rdparty/pixman/README

We are only using the pixman-arm-neon-asm.h and pixman-arm-neon-asm.S source files which have the following copyright and license header:

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See `\c qtbase/src/3rdparty/pixman/pixman-arm-neon-asm.h` and  
`\c qtbase/src/3rdparty/pixman/pixman-arm-neon-asm.S`

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\e{The Public Suffix List is an initiative of the Mozilla Project, but is maintained as a community resource. It is available for use in any software, but was originally created to meet the needs of browser manufacturers. It allows browsers to, for example:}

\list

\li \e{Avoid privacy-damaging "supercookies" being set for high-level domain name suffixes}

\li \e{Highlight the most important part of a domain name in the user interface}

\li \e{Accurately sort history entries by site}

\endlist

The public suffix list is used inside Qt to avoid such "supercookies" mentioned above being set in the cookie jar supported by Qt (by the QNetworkCookieJar class).

See `\c qtbase/src/network/access/qnetworkcookiejarlds_p.h.INFO` for more information about how the list is used.

## \section1 IAccessible2 IDL Specification

\e{IAccessible2 is a new accessibility API which complements Microsoft's earlier work on MSAA. This API fills critical accessibility API gaps in the MSAA offering. IAccessible2 was created out of necessity to produce a usable and accessible OpenDocument Format (ODF) based office suite for the Commonwealth of Massachusetts. IAccessible2 is an engineered accessibility interface allowing application developers to leverage their investment in MSAA while also providing an Assistive Technology (AT) access to rich document applications such as the IBM Workplace productivity editors and web browsers such as Firefox. The additional functionality includes support for rich text, tables, spreadsheets, Web 2.0 applications, and other large mainstream applications.}

-- quoted from `\l{http://www.linuxfoundation.org/collaborate/workgroups/accessibility/iaccessible2}`.

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\endlist

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```
\list
\li The ANGLE project in \c{qbase/src/3rdparty/angle}
\endlist
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```

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\section1 Shift-JIS Text Codec

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\section1 ISO 2022-JP (JIS) Text Codec

\e{ISO/IEC 2022 is an ISO standard specifying:

- a technique for including multiple character sets in a single character encoding system, and
- a technique for representing these character sets in both 7 and 8 bit systems using the same encoding. }

ISO-2022-JP is a widely used encoding for Japanese.

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\section1 EUC-JP Text Codec

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\section1 EUC-KR TextCodec

\e{Extended Unix Code (EUC) is a multibyte character encoding system used primarily for Japanese, Korean, and simplified Chinese.

KR is a variable-width encoding to represent Korean text using two coded character sets, KS X 1001 and KS X 1003.}



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\section1 GBK Text Codec

\e{GBK is an extension of the GB2312 character set for simplified Chinese characters, used in the People's Republic of China. GB is the abbreviation of Guojia Biaozhun (), which means national standard in Chinese, while K stands for Extension ("Kuo-zhan"). GBK not only extended the old standard GB2312 with Traditional Chinese characters, but also with Chinese characters that were simplified after the establishment of GB2312 in 1981. With the arrival of GBK, certain names with characters formerly unrepresentable, like the "rong" ( ) character in former Chinese Premier Zhu Rongji's name, are now representable. }

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\section1 Big5 Text Codec

\e{Big5, or BIG-5, is a Chinese character encoding method used in Taiwan, Hong Kong, and Macau for Traditional Chinese characters. Mainland China, which uses Simplified Chinese Characters, uses the GB character set instead.}

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\section1 DES (des.cpp)

Implementation of DES encryption for NTLM

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\section1 Bison Parser 2.3a

A Bison parser, made by GNU Bison 2.3a.

Skeleton implementation for Bison's Yacc-like parsers in C

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-- quoted from qtxmlpatterns/src/xmlpatterns/parser/qquerytransformparser.cpp

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\section1 TSCII Text Codec

The TSCII codec provides conversion to and from the Tamil TSCII encoding.

TSCII, formally the Tamil Standard Code Information Interchange specification, is a commonly used charset for Tamils.

This codec uses the mapping table found at <http://www.geocities.com/Athens/5180/tsciiiset.html>. Tamil uses composed Unicode which might cause some problems if you are using Unicode fonts instead of TSCII fonts.

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\section1 Callgrind

Callgrind, an extension to Cachegrind created by Josef Weidendorfer which produces more information about callgraphs. It was folded into the mainline version of Valgrind in version 3.2.0. KCacheGrind is capable of visualizing output from Callgrind as well as Cachegrind.

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This file is part of callgrind, a valgrind tool for cache simulation and call tree tracing.

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\section1 Stack-less Just-In-Time compiler

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DAMAGE.

--quoted from qtbase/src/3rdparty/pcre/sljit/sljitLir.c

\hr

\section1 xcb

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\section1 Botan version 1.8.8

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The source code of Botan C++ crypto library can be found in  
QtCreator/src/libs/3rdparty

\hr  
\section1 at-spi and at-spi2

\e{at-spi provides a Service Provider Interface for the Assistive Technologies available on the GNOME platform and a library against which applications can be linked.}

The AT-SPI package is a part of the GNOME Accessibility Project.  
(<http://developer.gnome.org/projects/gap>)

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\section1 Easing Equations

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-- quoted from qtbase/src/3rdparty/easing/easing.cpp

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\section1 xkbcommon

\e{xkbcommon is a library to handle keyboard descriptions, including loading them from disk, parsing them and handling their state. It's mainly meant for client toolkits, window systems, and other system applications}

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-- quoted from libxkbcommon.0.3.1.tar.xz, the latest package available  
on xkbcommon.org

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\section1 Clucene Core Library

\e{CLucene is a C++ port of Lucene. It is a high-performance, full-featured text search engine written in C++. CLucene is faster than lucene as it is written in C++.}

-- quoted from \c qttools/src/assistant/3rdparty/clucene/README.

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regcomp.c:

regenc.[ch]:

regerror.c:

regex.c:

regint.h:

regparse.[ch]:

enc/ascii.c

enc/big5.c

enc/cp949.c

enc/emacs\_mule.c



enc/encdb.c  
enc/euc\_jp.c  
enc/euc\_kr.c  
enc/euc\_tw.c  
enc/gb18030.c  
enc/gb2312.c  
enc/gbk.c  
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enc/iso\_8859\_9.c  
enc/koi8\_r.c  
enc/koi8\_u.c  
enc/shift\_jis.c  
enc/unicode.c  
enc/us\_ascii.c  
enc/utf\_16be.c  
enc/utf\_16le.c  
enc/utf\_32be.c  
enc/utf\_32le.c  
enc/utf\_8.c  
enc/windows\_1251.c

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<http://www.ruby-lang.org/cgi-bin/cvsweb.cgi/oniguruma/>  
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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,

Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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Any feedback is very welcome.

<http://www.math.keio.ac.jp/matamoto/emt.html>

email: [matamoto@math.keio.ac.jp](mailto:matamoto@math.keio.ac.jp)

`vsnprintf.c`:

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missing/finite.c:  
missing/hypot.c:  
missing/isinf.c:  
missing/isnan.c:  
missing/lgamma\_r.c:  
missing/memcmp.c:  
missing/memmove.c:  
missing/stchr.c:  
missing/strstr.c:  
missing/strtol.c:  
missing/tgamma.c:  
ext/digest/sha1/sha1.[ch]:

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missing/strlcpy.c

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L. Peter Deutsch  
ghost@aladdin.com

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AUTHOR: Antoon Bosselaers, ESAT-COSIC  
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ext/nkf/nkf-utf8/nkf.c:  
ext/nkf/nkf-utf8/utf8tbl.c:

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Ty Coon, President of Vice

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## 7.55 yaml 0.1.4 :0.1

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