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Contents

1.1 java-classmate classmate-1.5.1

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

Other developers who have contributed code are:

* Brian Langel

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1.3 jetbrains-kotlin-kotlin-stdlib-jdk8 1.4.10

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1.4 jakarta-activation 1.2.2

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1.5 jersey 2.25.1

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1.6 guava-listenablefuture-only 9999.0-empty-to-avoid-conflict-with-guava

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1.7 fabric8-::-kubernetes-model-::-coordination 4.13.3

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Manifest-Version: 1.0

Bnd-LastModified: 1619068568928

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Coordination

Bundle-SymbolicName: io.fabric8.kubernetes-model-coordination

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.coordination.v1;uses:=

"com.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.

fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.build

er,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annota

tion";version="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Coordination

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Coordination
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519842_1647861722.74/0/kubernetes-model-coordination-4-13-3-jar/META-
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Found in path(s):

* /opt/cola/permits/1288519842_1647861722.74/0/kubernetes-model-coordination-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-coordination/pom.xml

1.8 okhttp 4.9.3

1.8.1 Available under license :

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1.9 fabric8-::-kubernetes-model-::-settings 4.13.3

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Found in path(s):

* /opt/cola/permits/1288519918_1647861426.57/0/kubernetes-model-settings-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-settings/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1619068658143

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Settings

Bundle-SymbolicName: io.fabric8.kubernetes-model-settings

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.settings;uses:="com.fa

sterxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterx

ml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.f

abric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";v

ersion="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Settings

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co

m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson

.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui

lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku

bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Settings

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1288519918_1647861426.57/0/kubernetes-model-settings-4-13-3-jar/META-
INF/MANIFEST.MF

1.10 apache-commons-lang 3.8.1

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1.11 aws-java-sdk-for-amazon-ec2 1.11.91

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* /opt/cola/permits/1288519948_1648141843.59/0/aws-java-sdk-ec2-1-11-91-sources-

jar/com/amazonaws/services/ec2/util/SecurityGroupUtils.java

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 */
/**
     * <p>
     * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
     * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
can
     * be modified; it does not return information about other resource types.
     * </p>
     * <p>
     * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> |
     * <code>snapshot</code> | <code>volume</code>.
     * </p>
     * <p>
     * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
     * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
     * by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM
users,
     * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
     * command for the resource type.
     * </p>
     *
     * @param describeIdFormatRequest
     *        Contains the parameters for DescribeIdFormat.
     * @return Result of the DescribeIdFormat operation returned by the service.
     * @sample AmazonEC2.DescribeIdFormat
     * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat"
target="_top">AWS API
     *      Documentation</a>
     */
/**
     * <p>
```

* Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
* receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
* <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
* </p>
* <p>
* This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
* default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
* user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
* themselves. For more information, see <a
* href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs in the
<i>Amazon
* Elastic Compute Cloud User Guide</i>.
* </p>
* <p>
* Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
* provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
* </p>
*
* @param modifyIdFormatRequest
*   Contains the parameters of ModifyIdFormat.
* @return Result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2.ModifyIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat"
target="_top">AWS API
*   Documentation
*/

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jar/com/amazonaws/services/ec2/AmazonEC2Client.java
* /opt/cola/permits/1288519948_1648141843.59/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/AmazonEC2.java
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* /opt/cola/permits/1288519948_1648141843.59/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DetachClassicLinkVpcResult.java
* /opt/cola/permits/1288519948_1648141843.59/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/ExportToS3TaskStaxUnmarshaller.java
* /opt/cola/permits/1288519948_1648141843.59/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/VpnStaticRouteSource.java
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```
*/
/**
   * <p>
   * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
   * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
can
   * be modified; it does not return information about other resource types.
   * </p>
   * <p>
   * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> |
   * <code>snapshot</code> | <code>volume</code>.
   * </p>
   * <p>
   * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
   * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
   * by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM
users,
   * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
   * command for the resource type.
   * </p>
   *
   * @param describeIdFormatRequest
   *        Contains the parameters for DescribeIdFormat.
   * @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
   * @sample AmazonEC2Async.DescribeIdFormat
   * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat"
target="_top">AWS API
   *      Documentation</a>
   */
/**
   * <p>
   * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
   * receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
   * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
   * </p>
   * <p>
   * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
   * default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
   * user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
   * themselves. For more information, see <a
   * href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the
<i>Amazon
   * Elastic Compute Cloud User Guide</i>.
   * </p>
   * <p>
   * Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
   * provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
   * </p>
```

*

* @param modifyIdFormatRequest

*   Contains the parameters of ModifyIdFormat.

* @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.

* @sample AmazonEC2Async.ModifyIdFormat

* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat"

target="_top">AWS API

*   Documentation

*/

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1.15 metrics-core 3.0.2

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1.16 jackson-dataformats-binary 2.13.1
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Manifest-Version: 1.0
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-SymbolicName: com.fasterxml.jackson.dataformat.jackson-dataform
at-cbor
Bnd-LastModified: 1639878425429
Implementation-Vendor-Id: com.fasterxml.jackson.dataformat
Specification-Title: Jackson dataformat: CBOR
Bundle-DocURL: http://github.com/FasterXML/jackson-dataformats-binary

Import-Package: com.fasterxml.jackson.core;version="[2.13,3)",com.fast
erxml.jackson.core.base;version="[2.13,3)",com.fasterxml.jackson.core
.format;version="[2.13,3)",com.fasterxml.jackson.core.io;version="[2.
13,3)",com.fasterxml.jackson.core.json;version="[2.13,3)",com.fasterx
ml.jackson.core.sym;version="[2.13,3)",com.fasterxml.jackson.core.uti
l;version="[2.13,3)",com.fasterxml.jackson.databind;version="[2.13,3)
",com.fasterxml.jackson.databind.cfg;version="[2.13,3)",com.fasterxml
.jackson.dataformat.cbor;version="[2.13,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Implementation-Build-Date: 2021-12-19 01:46:59+0000
Export-Package: com.fasterxml.jackson.dataformat.cbor;uses:="com.faste
rxml.jackson.core,com.fasterxml.jackson.core.base,com.fasterxml.jacks
on.core.format,com.fasterxml.jackson.core.io,com.fasterxml.jackson.co
re.json,com.fasterxml.jackson.core.sym,com.fasterxml.jackson.core.uti
l";version="2.13.1",com.fasterxml.jackson.dataformat.cbor.databind;us
es:="com.fasterxml.jackson.core,com.fasterxml.jackson.databind,com.fa
sterxml.jackson.databind.cfg,com.fasterxml.jackson.dataformat.cbor";v
ersion="2.13.1"
Bundle-Name: Jackson dataformat: CBOR
Multi-Release: true
Build-Jdk-Spec: 1.8
Bundle-Description: Support for reading and writing Concise Binary Obj
ect Representation([CBOR](https://www.rfc-editor.org/info/rfc7049)enc
oded data using Jackson abstractions (streaming API, data binding, tr
ee model)
Implementation-Title: Jackson dataformat: CBOR
Implementation-Version: 2.13.1
Bundle-ManifestVersion: 2
Specification-Vendor: FasterXML
Bundle-Vendor: FasterXML
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: FasterXML
Bundle-Version: 2.13.1
X-Compile-Target-JDK: 1.8
X-Compile-Source-JDK: 1.8
Created-By: Apache Maven Bundle Plugin
Specification-Version: 2.13.1

Found in path(s):
* /opt/cola/permits/1288520193_1647863195.42/0/jackson-dataformat-cbor-2-13-1-jar/META-
INF/MANIFEST.MF

1.17 j2objc-annotations 1.3

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*/

Found in path(s):
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/RetainedWith.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/Property.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/LoopTranslation.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/ObjectiveCName.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/ReflectionSupport.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/RetainedLocalRef.java
* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
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```
*/
```

Found in path(s):

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/Weak.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/AutoreleasePool.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-
jar/com/google/j2objc/annotations/WeakOuter.java

1.18 software-amazon-ion-ion-java 1.0.2

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* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/Provider.java

* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/Qualifier.java

* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/Named.java

* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/package-info.java

* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/Inject.java

* /opt/cola/permits/1049166395_1614937289.23/0/javax-inject-2-5-0-b32-sources-3-jar/javax/inject/Singleton.java

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1.23 junitparams 1.0.4
1.23.1 Available under license :
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1.24 guava 31.0.1-jre
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/**

* Holder for web specializations of methods of {@code Floats}. Intended to be empty for regular

* version.

*/

Found in path(s):

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/FloatsMethodsForWeb.java

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/*

 * This following method is a modified version of one found in

 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30

 * which contained the following notice:

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jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Striped64.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/LongAdder.java
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*/
/**
* Holder for web specializations of methods of {@code Doubles}. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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jar/com/google/common/util/concurrent/AtomicLongMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/GwtTransient.java

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jar/com/google/common/collect/MultimapBuilder.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableMapEntry.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/MoreFiles.java

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jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
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jar/com/google/common/base/Functions.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/base/Objects.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableSoftReference.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/AllowConcurrentEvents.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/AbstractFuture.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/DeadEvent.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/package-info.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionList.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashBiMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LittleEndianDataInputStream.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ListenableFuture.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Charsets.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/EventBus.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Defaults.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/package-info.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Predicates.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Closeables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/Subscribe.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CharStreams.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/AsyncEventBus.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Supplier.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LineBuffer.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Preconditions.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Resources.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/io/LineReader.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Throwables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Predicate.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteStreams.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableReferenceQueue.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Files.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableWeakReference.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/AbstractIterator.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/Primitives.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizableReference.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CountingOutputStream.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/FinalizablePhantomReference.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EnumMultiset.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/package-info.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/CountingInputStream.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/Flushables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/package-info.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/DirectExecutor.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Suppliers.java

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jar/com/google/common/io/ByteSource.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/AbstractInvocationHandler.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/Parameter.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/html/package-info.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/LongAddables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/xml/package-info.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/package-info.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableRangeSet.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/RateLimiter.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/StandardNetwork.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/StandardValueGraph.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/NetworkConnections.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/AbstractGraph.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/NetworkBuilder.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/DirectedGraphConnections.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/UndirectedGraphConnections.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/graph/EndpointPair.java

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jar/com/google/common/util/concurrent/Internal.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Platform.java

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*/
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *

* <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
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 */
/*
  * This method was rewritten in Java from an intermediate step of the Murmur hash function in
  * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
  * following header:
  *
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  */

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jar/com/google/common/collect/FilteredMultimap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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jar/com/google/common/collect/AbstractNavigableMap.java

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jar/com/google/common/collect/FilteredKeySetMultimap.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EvictingQueue.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableEnumMap.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/FilteredKeyListMultimap.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/FilteredEntrySetMultimap.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/SortedMultisetBridge.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/eventbus/SubscriberExceptionContext.java
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jar/com/google/common/hash/LittleEndianByteArray.java
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jar/com/google/common/collect/ConsumingQueueIterator.java
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jar/com/google/common/util/concurrent/AggregateFutureState.java
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jar/com/google/common/collect/JdkBackedImmutableMultiset.java
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jar/com/google/common/util/concurrent/ExecutionSequencer.java

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jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LoadingCache.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Absent.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/math/DoubleMath.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/RemovalListener.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractSortedMultiset.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Enums.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/AbstractCompositeHashFunction.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/Murmur3_128HashFunction.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/math/LongMath.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/MessageDigestHashFunction.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/Murmur3_32HashFunction.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/RemovalNotification.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/CacheLoader.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/Network.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/RecursiveDeleteOption.java
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/*

/**

 * Not supported. You are attempting to create a map that may contain a non-{@code Comparable}

 * key. Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy

 * version.

 *

 * @throws UnsupportedOperationException always

 * @deprecated Pass a key of type {@code Comparable} to use {@link

 *   ImmutableSortedMap#of(Comparable, Object)}.

 */

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java

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jar/com/google/common/base/JdkPattern.java

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jar/com/google/common/base/CommonPattern.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/base/CommonMatcher.java

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jar/com/google/common/base/PatternCompiler.java

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*/
/**
* Holder for web specializations of methods of {@code Ints}. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/CollectionFuture.java
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jar/com/google/common/base/CaseFormat.java
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jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
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jar/com/google/common/util/concurrent/Service.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Platform.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/escape/ArrayBasedCharEscaper.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/Splitter.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/Platform.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/MapMaker.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/DenseImmutableTable.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/net/UrlEscapers.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteArrayDataOutput.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableTable.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/Callables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/ArrayBasedEscaperMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/reflect/TypeResolver.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteArrayDataInput.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/SparseImmutableTable.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/LineProcessor.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/JdkFutureAdapters.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/SettableFuture.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/io/ByteProcessor.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/CollectSpliterators.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/IndexedImmutableSet.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableMap.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/MinMaxPriorityQueue.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableCollection.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractSequentialIterator.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingListMultimap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/UnmodifiableListIterator.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingSortedSetMultimap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RowSortedTable.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/SortedMapDifference.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableSetMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/TableCollectors.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ComputationException.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/base/ParametricNullness.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/net/ParametricNullness.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/cache/ParametricNullness.java
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* Holder for web specializations of methods of {@code Shorts}. Intended to be empty for regular
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```

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

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jar/com/google/common/util/concurrent/ClosingFuture.java
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jar/com/google/common/graph/BaseGraph.java
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* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
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jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/hash/Java8Compatibility.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/math/ToDoubleRounder.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Java8Compatibility.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/Java8Compatibility.java
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/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

Found in path(s):
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/Partially.java
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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/util/concurrent/NullnessCasts.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/NullnessCasts.java

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* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapValues.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Tables.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Collections2.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMultiset.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/HashBasedTable.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMultimap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/CollectPreconditions.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableMapKeySet.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/StandardRowSortedTable.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableListMultimap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/PeekingIterator.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/Table.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/ImmutableEntry.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-jar/com/google/common/collect/RegularImmutableBiMap.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/Range.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/collect/UnmodifiableIterator.java
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jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-

jar/com/google/common/primitives/Chars.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Shorts.java

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jar/com/google/common/escape/Escaper.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Floats.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Stopwatch.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/io/FileBackedOutputStream.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/CharMatcher.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/escape/UnicodeEscaper.java

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jar/com/google/common/io/MultiReader.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Converter.java

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jar/com/google/common/primitives/Doubles.java

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jar/com/google/common/net/InetAddresses.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Longs.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/primitives/Bytes.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/base/Joiner.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java

* /opt/cola/permits/1288520115_1647351767.93/0/guava-31-0-1-jre-sources-
jar/com/google/common/net/PercentEscaper.java

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jar/com/google/common/collect/SortedMultiset.java

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jar/com/google/common/collect/SortedMultisets.java

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jar/com/google/common/graph/IncidentEdgeSet.java

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jar/com/google/common/collect/CompactHashing.java

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/*
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 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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1.26 java-classmate 1.3.4
1.26.1 Available under license :

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

Other developers who have contributed code are:

* Brian Langel
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1.27 error_prone_annotations 2.7.1

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* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/NoAllocation.java
* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/concurrent/LockMethod.java
* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
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* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/DoNotCall.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CheckReturnValue.java

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* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CompatibleWith.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/RestrictedApi.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/MustBeClosed.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/DoNotMock.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/FormatMethod.java

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* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/RequiredModifiers.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/Immutable.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CompileTimeConstant.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/SuppressPackageLocation.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/ForOverride.java

* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java

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* /opt/cola/permits/1288519880_1647351834.56/0/error-prone-annotations-2-7-1-sources-jar/com/google/errorprone/annotations/InlineMe.java

1.28 antlr 4.8-1

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*/

tree grammar BlockSetTransformer;
options {
 language   = Java;

```
tokenVocab   = ANTLRParser;
ASTLabelType = GrammarAST;
output    = AST;
filter    = true;
}

@header {
package org.antlr.v4.parse;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import java.util.HashSet;
import java.util.ArrayList;
import org.antlr.v4.runtime.misc.IntervalSet;
}

@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
  this(input, new RecognizerSharedState());
  this.g = g;
}
}

topdown
  : ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
  | setAlt
  | ebnfBlockSet
  | blockSet
  ;

setAlt
 : {inContext("RULE BLOCK")}?
  ALT {currentAlt = $start;}
 ;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID)))))
ebnfBlockSet
@after {
 GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
 : ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
 ;
```

```
ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
 : OPTIONAL
 | CLOSURE
  | POSITIVE_CLOSURE
 ;


blockSet
@init {
boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
 GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
 : {inContext("RULE")}? // top-level: rule block and > 1 alt
  ^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) ( ^(ALT
elementOptions? setElement[inLexer]) )+)
  -> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
"SET"] setElement+)))
 | {!inContext("RULE")}? // if not rule block and > 1 alt
  ^(BLOCK ^(ALT elementOptions? setElement[inLexer]) ( ^(ALT elementOptions? setElement[inLexer]) )+)
  -> ^(SET[$BLOCK.token, "SET"] setElement+)
 ;


setElement[boolean inLexer]
@after {
 GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
 : ( ^(a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | {!inLexer}?=> ^(TOKEN_REF elementOptions)
  | {!inLexer}?=> TOKEN_REF
  | {inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
   {CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 &&
   CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1}?
  )
 ;


elementOptions
 : ^(ELEMENT_OPTIONS elementOption*)
 ;


elementOption
 : ID
 | ^(ASSIGN id=ID v=ID)
 | ^(ASSIGN ID v=STRING_LITERAL)
```

| ^(ASSIGN ID v=ACTION)
| ^(ASSIGN ID v=INT)
;

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/parse/BlockSetTransformer.g
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jar/org/antlr/v4/tool/ast/GrammarRootAST.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/OutputModelWalker.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/SerializedATN.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/gui/PostScriptDocument.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ToolMessage.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/LL1AltBlock.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/misc/EscapeSequenceParsing.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/Recognizer.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/MatchNotSet.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/LexerGrammar.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/Wildcard.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/ActionText.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/automata/LexerATNFactory.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/Target.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/parse/GrammarToken.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/OutputModelController.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ErrorSeverity.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/TestRig.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/DispatchMethod.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/RuleRefAST.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/StarBlock.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/GrammarSyntaxMessage.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/TokenRef.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/RangeAST.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ArgAction.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ANTLRToolListener.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/LabelElementPair.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/Python3Target.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ExceptionClause.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/automata/TailEpsilonRemover.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_line.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ErrorType.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/Trees.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/DOTGenerator.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ListenerFile.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_ctx.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/analysis/AnalysisPipeline.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ANTLRMessage.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/misc/MutableInt.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/BaseListenerFile.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/ActionAST.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/TreeTextProvider.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ToolANTLRParser.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-

jar/org/antlr/v4/codegen/model/decl/CodeBlock.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/CppTarget.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_type.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/Decl.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/TokenVocabParser.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/semantics/AttributeChecks.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/automata/ParserATNFactory.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ActionSplitterListener.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/Choice.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/Loop.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/ActionTranslator.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/NotAST.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/Rule.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/StarBlockAST.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ParserFile.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextToken.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_pos.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/RuleActionFunction.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/OutputFile.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/LL1Loop.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/MatchSet.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/Alternative.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/BlankOutputModelFactory.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/target/GoTarget.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_stop.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/SemPred.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/LeftRecursiveRule.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_ctx.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/SrcOp.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_text.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/ast/PlusBlockAST.java
No license file was found, but licenses were detected in source scan.

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*

```
SwiftTypeInitMap ::= [
 "Int":"0",
 "Int64":"0",
 "Float":"0.0",
 "Double":"0.0",
 "Bool":"false",
 default:"nil" // anything other than a primitive type is an object
]
SwiftTypeMap ::= [
 "int":"Int",
 "float":"Float",
 "long":"Int64",
 "double":"Double",
 "bool":"Bool",
 "boolean":"Bool",
 default : key
]
// args must be <object-model-object>, <fields-resulting-in-STs>

accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\"open\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\"public\">"

ParserFile(file, parser, namedActions,contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
```

```
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@link <file.parserName>}.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the {@code <lname>\}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Enter a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
 - Parameters:
   - ctx: the parse tree
 */
func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the {@code <lname>\}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Exit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
 - Parameters:
   - ctx: the parse tree
 */
func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)}; separator="\n">
}
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

import Antlr4


/**
 * This class provides an empty implementation of {@link <file.grammarName>Listener},
```

* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {
    <accessLevelNotOpen(file)> init() { \}
 <file.listenerNames:{lname |

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}}; separator="\n">

 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 <accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) { }
 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 <accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) { }
 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 <accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { }
 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 <accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { }
}
>>

```
VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
 <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the {@code <lname>\}
 * labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>\}.
<else>
 * Visit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
 - Parameters:
  - ctx: the parse tree
 - returns: the visitor result
 */
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T {
 fatalError(#function + " must be overridden")
\}
}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This class provides an empty implementation of {@link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
```

```
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor\<T>: AbstractParseTreeVisitor\<T> {
 <file.visitorNames:{lname |
/**
* {@inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}}; separator="\n">
}
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>


Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>


Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<!//@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

 internal static var _decisionToDFA: [DFA] = {
      var decisionToDFA = [DFA]()
      let length = <parser.name>._ATN.getNumberOfDecisions()
      for i in 0..\<length {
       <!// decisionToDFA[i] = DFA(<parser.name>._ATN.getDecisionState(i)!, i);!>
        decisionToDFA.append(DFA(<parser.name>._ATN.getDecisionState(i)!, i))
      }
      return decisionToDFA
   }()

 internal static let _sharedContextCache = PredictionContextCache()

 <if(parser.tokens)>
 <accessLevelNotOpen(parser)>
 enum Tokens: Int {
  case EOF = -1, <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>
 }
     <endif>
```

```
<accessLevelNotOpen(parser)>
static let <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>

<accessLevelNotOpen(parser)>
static let ruleNames: [String] = [
 <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(parser.literalNames, parser.symbolicNames,
            accessLevelNotOpen(parser))>

override <accessLevelOpenOK(parser)>
func getGrammarFileName() -> String { return "<parser.grammarFileName; format="java-escape">" }

override <accessLevelOpenOK(parser)>
func getRuleNames() -> [String] { return <parser.name>.ruleNames }

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> String { return <parser.name>._serializedATN }

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
 override <accessLevelOpenOK(parser)>
 func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
  switch (ruleIndex) {
  <parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)}; separator="\n">
    default: return true
  }
  <!return true;!>
 }
<sempredFuncs.values; separator="\n">
<endif>

<atn>

<accessLevelNotOpen(parser)>
static let _serializedATN = <parser.name>ATN().jsonString

<accessLevelNotOpen(parser)>
```

```
static let _ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

vocabulary(literalNames, symbolicNames, accessLevel) ::= <<
private static let _LITERAL_NAMES: [String?] = [
 <literalNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
 <symbolicNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
override <accessLevelOpenOK(parser)>
func action(_ _localctx: RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
 <f.name>_action((_localctx as <f.ctxType>?), actionIndex)
  }; separator="\n">
 default: break
 }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int,_  predIndex: Int) throws -> Bool {
 switch (ruleIndex) {
 <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)}; separator="\n">
 default: return true
 }
 <!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<

override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
```

```
  return <p.name>.VOCABULARY
}


override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {
  RuntimeMetaData.checkVersion("4.8", RuntimeMetaData.VERSION)
 try super.init(input)
 _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
<parser.name>._sharedContextCache)
}

>>


/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ _localctx: <r.ctxType>?, _ actionIndex: Int) {
 switch (actionIndex) {
 <actions:{index|
case <index>:
 <actions.(index)>
  }; separator="\n">
  default: break
 }
}
>>


/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private func <r.name>_sempred(_ _localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
 switch (predIndex) {
 <actions:{index|
   case <index>:return <actions.(index)>}; separator="\n">
     default: return true
 }
 <!return true;!>
}
>>


RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelOpenOK(parser)> func
```

```
<endif><currentRule.name>(<if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
 var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, getState()<currentRule.args:{a | ,
<a.name>}>)
 try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
 <namedActions.init>
 <locals; separator="\n">
 defer {
    <finallyAction>
    try! exitRule()
  }
 do {
<if(currentRule.hasLookaheadBlock)>
 var _alt:Int
<endif>
  <code>
 <postamble; separator="\n">
  <namedActions.after>
 }
 <if(exceptions)>
 <exceptions; separator="\n">
 <else>
 catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
 }
 <endif>

 return _localctx
 }
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
 namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.name>( <if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType>  {
 return try <currentRule.name>(0<currentRule.args:{a | , <a.name>}>)
 }
@discardableResult
private func <currentRule.name>(_ _p<args:{a | , <a>}>: Int) throws -> <currentRule.ctxType>  {
 let _parentctx: ParserRuleContext? = _ctx
 var _parentState: Int = getState()
 var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
```

```
<a.name>}>)
 var _prevctx: <currentRule.ctxType> = _localctx
 var _startState: Int = <currentRule.startState>
 try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
 <namedActions.init>
 <locals; separator="\n">
 defer {
    <finallyAction>
    try! unrollRecursionContexts(_parentctx)
  }
 do {
<if(currentRule.hasLookaheadBlock)>
 var _alt: Int
<endif>
 <code>
 <postamble; separator="\n">
 <namedActions.after>
 }
 catch ANTLRException.recognition(let re) {
 _localctx.exception = re
 _errHandler.reportError(self, re)
 try _errHandler.recover(self, re)
 }

 return _localctx;
 }
 >>


CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>


CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<!//{!>
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
<!//}!>
>>


LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
```

```
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>
 <alt>
 break}; separator="\n">
default:
 <error>
}
>>


LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break}; separator="\n">
default:
 break
}
>>


LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
if (<expr>) {
 <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>


LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
while (<loopExpr>) {
 <alts; separator="\n">
 setState(<choice.loopBackStateNumber>)
 try _errHandler.sync(self)
 <iteration>
}
>>


LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>) <! alt block decision !>
try _errHandler.sync(self)
<preamble; separator="\n">
repeat {
```

```
<alts; separator="\n">
setState(<choice.stateNumber>); <! loopback/exit decision !>
try _errHandler.sync(self)
<iteration>
} while (<loopExpr>)
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)) {
<alts:{alt |
case <i>:
 <alt>
 break}; separator="\n">
default: break
}
>>

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break}; separator="\n">
default: break
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
 if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
  <iteration>
  <alts> <! should only be one !>
 }
 setState(<choice.loopBackStateNumber>)
 try _errHandler.sync(self)
 _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
}
```

```
>>

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
try _errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
repeat {
 switch (_alt) {
 <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break}; separator="\n">
 default:
  <error>
 }
 setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
 try _errHandler.sync(self)
 _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
} while (_alt != <choice.exitAlt> && _alt !=  ATN.INVALID_ALT_NUMBER)
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"

TestSetInline(s) ::= <<
<!<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">!>
//closure
{ () -> Bool in
    <if(rest(s.bitsets))>var<else>let<endif> testSet: Bool = <first(s.bitsets):{bits |
<if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}>
      <rest(s.bitsets):{bits | testSet = testSet || <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator="\n">
    return testSet
}()
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <<
<!(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1 \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1 \<\< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)!>
{  () -> Bool in
```

```
  <! let test: Bool = (<testShiftInRange({<offsetShift(s.varName, bits.shift)>})>)!>
  <!var temp: Int64 =  Int64(<offsetShift(s.varName, bits.shift)>)!>
  <!temp = (temp \< 0) ? (64 + (temp % 64 )) : (temp % 64)!>
  <!let test1: Int64 = (Int64(1) \<\< temp)!>
  <!var test2: Int64 = (<first(bits.ttypes):{ttype | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>)!>
  <!<rest(bits.ttypes):{ttype | test2 = test2 | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)};
separator="\n">!>
  let testArray: [Int] = [<s.varName>, <bits.ttypes:{ttype |<parserName(ttype)>}; separator=",">]
  <!var test2: Int64 = Utils.testBitLeftShiftArray(testArray)!>
   return  Utils.testBitLeftShiftArray(testArray, <bits.shift>)
}()
>>

isZero ::= [
"0": true,
default: false
]
parserName(ttype) ::= <%
<parser.name>.Tokens.<ttype>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName> == <parser.name>.Tokens.<ttype>.rawValue}; separator=" || ">
%>

cases(ttypes) ::= <<
<trunc(ttypes): {t | case .<t>:fallthrough}  ; separator="\n">
<last(ttypes): {t | case .<t>:}  ; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>)
<if(r.labels)>
try {
 let assignmentValue = try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)
 <r.labels:{l | <labelref(l)> = assignmentValue} ; separator="\n">
  }()
<else>try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)<endif>
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>)
```

```
<if(m.labels)>
try {
  let assignmentValue = try match(<parser.name>.Tokens.<m.name>.rawValue)
  <m.labels:{l | <labelref(l)> = assignmentValue}  ; separator="\n">
    }()
<else>try match(<parser.name>.Tokens.<m.name>.rawValue)<endif>
>>


MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>)
<if(m.labels)><m.labels:{l | <labelref(l)> = }>try _input.LT(1)<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
 <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as
Token<endif>
}
else {
 _errHandler.reportMatch(self)
 try consume()
}
>>


Wildcard(w) ::= <<
setState(<w.stateNumber>)
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>try matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
if (!(<chunks>)) {
   throw ANTLRException.recognition(e:FailedPredicateException(self, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>))
}
>>


ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
 <catchAction>
```

```
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand()    ::= "skip()"
LexerMoreCommand()    ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg)      ::= "_type = <arg>"
LexerChannelCommand(arg)   ::= "_channel = <arg>"
LexerModeCommand(arg)      ::= "_mode = <arg>"
LexerPushModeCommand(arg)  ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValueRef(a) ::= "_localctx.<a.name>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\")"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()!) : 0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\")"
RulePropertyRef_stop(r)  ::= "(<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\")"
RulePropertyRef_text(r)  ::= "(<ctx(r)>.<r.label> != nil ? try
_input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\")"
RulePropertyRef_ctx(r)   ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r)  ::= "self"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r)  ::= "_localctx.stop"
ThisRulePropertyRef_text(r)  ::= "(try _input.getText(_localctx.start, try _input.LT(-1)))"
ThisRulePropertyRef_ctx(r)   ::= "_localctx"
```

ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.name>: <SwiftTypeMap.(TokenLabelType())>!"
TokenTypeDecl(t) ::= "var <t.name>: Int = 0"
TokenListDecl(t) ::= "<t.name>: [Token] = [Token]()"
RuleContextDecl(r) ::= "<r.name>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.name>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> TerminalNode? {
 return getToken(<parser.name>.Tokens.<t.name>.rawValue, 0)
}
>>
ContextTokenListGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> [TerminalNode] {
 return getTokens(<parser.name>.Tokens.<t.name>.rawValue)
}
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>(_ i:Int) -> TerminalNode? {
 return getToken(<parser.name>.Tokens.<t.name>.rawValue, i)
}
>>
ContextRuleGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> <r.ctxName>? {
 return getRuleContext(<r.ctxName>.self, 0)
}
>>
ContextRuleListGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> [<r.ctxName>] {
 return getRuleContexts(<r.ctxName>.self)
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>(_ i: Int) -> <r.ctxName>? {
 return getRuleContext(<r.ctxName>.self, i)

```
    }
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName)   ::= "_<ruleName>"
ImplicitSetLabel(id)     ::= "_tset<id>"
ListLabelName(label)    ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,
      superClass={ParserRuleContext}) ::= <<

<accessLevelNotOpen(parser)> class <struct.name>:
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces;
separator=", "><endif> {
 <attrs:{a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 <! <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext,_ invokingState: Int) {
super.init(parent, invokingState)  }<endif> !>
 <if(ctorAttrs)>
 <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState: Int<ctorAttrs:{a | ,
_ <a>}>) {
  self.init(parent, invokingState)
  <struct.ctorAttrs:{a | self.<a.name> = <a.name>;}; separator="\n">
 }
 <endif>

 override <accessLevelOpenOK(parser)>
 func getRuleIndex() -> Int {
  return <parser.name>.RULE_<struct.derivedFromName>
 }
<if(struct.provideCopyFrom && struct.attrs)> <! don't need copy unless we have subclasses !>
 <accessLevelOpenOK(parser)>
 override func copyFrom(_ ctx_: ParserRuleContext) {
  super.copyFrom(ctx_)
  let ctx = ctx_ as! <struct.name>
  <struct.attrs:{a | self.<a.name> = ctx.<a.name>;}; separator="\n">
 }
<endif>
```

```
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>


AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)> class <struct.name>: <currentRule.name; format="cap">Context {
<attrs:{a | <accessLevelNotOpen(parser)> var <a>}; separator="\n">
<getters:{g | <g>}; separator="\n">

<accessLevelNotOpen(parser)>
init(_ ctx: <currentRule.name; format="cap">Context) {
 super.init()
 copyFrom(ctx)
 }
<dispatchMethods; separator="\n">
}
>>


ListenerDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {
 if let listener = listener as? <parser.grammarName>Listener {
  listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
 }
}
>>


VisitorDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func accept\<T>(_ visitor: ParseTreeVisitor\<T>) -> T? {
 if let visitor = visitor as? <parser.grammarName>Visitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
 }
 else if let visitor = visitor as? <parser.grammarName>BaseVisitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
 }
 else {
    return visitor.visitChildren(self)
 }
}
>>


AttributeDecl(d) ::= "<d.name>: <SwiftTypeMap.(d.type)><if(d.initValue)> = <d.initValue><else>!<endif>"

/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr?   */
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>"
recRuleSetStopToken()              ::= "_ctx!.stop = try _input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.append(_prevctx)
<else>
_localctx.<label> = _prevctx
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context(  <ruleName; format="cap">Context(_parentctx,
_parentState))
<if(label)>
<if(isListLabel)>
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
<else>
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
<endif>
<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx)
_ctx = _localctx
_prevctx = _localctx
>>

recRuleSetPrevCtx() ::= <<
if _parseListeners != nil {
  try triggerExitRuleEvent()
}
_prevctx = _localctx
>>
```

```
LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
<!package <lexerFile.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<lexer>
>>
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<accessLevelOpenOK(lexer)> class <lexer.name>: <superClass; null="Lexer"> {

 internal static var _decisionToDFA: [DFA] = {
       var decisionToDFA = [DFA]()
       let length = <lexer.name>._ATN.getNumberOfDecisions()
       for i in 0..\<length {
         <! decisionToDFA[i] = DFA(<lexer.name>._ATN.getDecisionState(i)!, i);!>
           decisionToDFA.append(DFA(<lexer.name>._ATN.getDecisionState(i)!, i))
       }
        return decisionToDFA
   }()

 internal static let _sharedContextCache = PredictionContextCache()

 <accessLevelNotOpen(lexer)>
 static let <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>

 <if(lexer.channels)>
 <accessLevelNotOpen(lexer)>
 static let <lexer.channels:{k | <k>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>
 <endif>
 <if(rest(lexer.modes))>
 <accessLevelNotOpen(lexer)>
 static let <rest(lexer.modes):{m| <m>=<i>}; separator=", ", wrap, anchor>
 <endif>
 <accessLevelNotOpen(lexer)>
 static let channelNames: [String] = [
  "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
 wrap, anchor><endif>
 ]

 <accessLevelNotOpen(lexer)>
 static let modeNames: [String] = [
  <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
 ]

 <accessLevelNotOpen(lexer)>
```

```
static let ruleNames: [String] = [
 <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,
            accessLevelNotOpen(lexer))>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
 return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
   RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION)
 super.init(input)
 _interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
 }

override <accessLevelOpenOK(lexer)>
func getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> String { return <lexer.name>._serializedATN }

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _serializedATN: String = <lexer.name>ATN().jsonString

<accessLevelNotOpen(lexer)>
static let _ATN: ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
```

```
}
>>
```

/** Don't need to define anything. The tool generates a XParserATN.swift file (and same for lexer)
 * which is referenced from static field _serializedATN. This json string is passed to
 * deserializeFromJson(). Note this is not the "serialization as array of ints" that other targets
 * do. It is more or less the output of ATNPrinter which gets read back in.
 */
```
SerializedATN(model) ::= <<
>>
```

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
```
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".swift"
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg
No license file was found, but licenses were detected in source scan.

THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/*
This file contains the actual layout of the messages emitted by ANTLR.
The text itself is coming out of the languages/*stg files, according to the chosen locale.
This file contains the default format ANTLR uses.
*/

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage() ::= "true"

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg
No license file was found, but licenses were detected in source scan.

/*
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* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY

```
 *  THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 *  (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 *  THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

tree grammar SourceGenTriggers;
options {
 language    = Java;
 tokenVocab  = ANTLRParser;
 ASTLabelType = GrammarAST;
}

@header {
package org.antlr.v4.codegen;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.codegen.model.*;
import org.antlr.v4.codegen.model.decl.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
}

@members {
 public OutputModelController controller;
   public boolean hasLookaheadBlock;
   public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {
    this(input);
    this.controller = controller;
   }
}

dummy : block[null, null] ;

block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]
  : ^( blk=BLOCK (^(OPTIONS .+))?
   {List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();}
    ( alternative {alts.add($alternative.altCodeBlock);} )+
    )
    {
    if ( alts.size()==1 && ebnfRoot==null) return alts;
    if ( ebnfRoot==null ) {
       $omos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
    }
    else {
        Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
        hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
```

```
        $omos = DefaultOutputModelFactory.list(choice);
    }
    }
;

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
   boolean outerMost = inContext("RULE BLOCK");
}
@after {
   controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
   : a=alt[outerMost] {$altCodeBlock=$a.altCodeBlock; $ops=$a.ops;}
;

alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
 // set alt if outer ALT only (the only ones with alt field set to Alternative object)
 AltAST altAST = (AltAST)retval.start;
 if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
 : {
 List<SrcOp> elems = new ArrayList<SrcOp>();
 // TODO: shouldn't we pass $start to controller.alternative()?
 $altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
 $altCodeBlock.ops = $ops = elems;
 controller.setCurrentBlock($altCodeBlock);
 }
 ^( ALT elementOptions? ( element {if ($element.omos!=null) elems.addAll($element.omos);} )+ )

| ^(ALT elementOptions? EPSILON)
    {$altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost);}
 ;

element returns [List<? extends SrcOp> omos]
 : labeledElement     {$omos = $labeledElement.omos;}
| atom[null,false]   {$omos = $atom.omos;}
| subrule       {$omos = $subrule.omos;}
|  ACTION       {$omos = controller.action((ActionAST)$ACTION);}
|  SEMPRED       {$omos = controller.sempred((ActionAST)$SEMPRED);}
| ^(ACTION elementOptions)  {$omos = controller.action((ActionAST)$ACTION);}
|  ^(SEMPRED elementOptions)  {$omos = controller.sempred((ActionAST)$SEMPRED);}
;

labeledElement returns [List<? extends SrcOp> omos]
 : ^(ASSIGN ID atom[$ID,false] )   {$omos = $atom.omos;}
| ^(PLUS_ASSIGN ID atom[$ID,false]) {$omos = $atom.omos;}
| ^(ASSIGN ID block[$ID,null] )   {$omos = $block.omos;}
```

```
| ^(PLUS_ASSIGN ID block[$ID,null])  {$omos = $block.omos;}
;


subrule returns [List<? extends SrcOp> omos]
 : ^(OPTIONAL b=block[null,$OPTIONAL])
 {
 $omos = $block.omos;
 }
| ( ^(op=CLOSURE b=block[null,null])
 | ^(op=POSITIVE_CLOSURE b=block[null,null])
 )
 {
 List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
 SrcOp blk = $b.omos.get(0);
 CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
 alt.addOp(blk);
 alts.add(alt);
 SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
    hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(loop);
 }
| block[null, null]     {$omos = $block.omos;}
 ;


blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
  : ^(SET atom[label,invert]+) {$omos = controller.set($SET, $label, invert);}
  ;


/*
setElement
 : STRING_LITERAL
 | TOKEN_REF
 | ^(RANGE STRING_LITERAL STRING_LITERAL)
 ;
*/


// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT
atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
 : ^(NOT a=atom[$label, true])  {$omos = $a.omos;}
| range[label]      {$omos = $range.omos;}
| ^(DOT ID terminal[$label])
| ^(DOT ID ruleref[$label])
  | ^(WILDCARD .)      {$omos = controller.wildcard($WILDCARD, $label);}
  | WILDCARD       {$omos = controller.wildcard($WILDCARD, $label);}
  | terminal[label]     {$omos = $terminal.omos;}
  | ruleref[label]     {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
```

```
;

ruleref[GrammarAST label] returns [List<SrcOp> omos]
  : ^(RULE_REF ARG_ACTION? elementOptions?)  {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
  ;

range[GrammarAST label] returns [List<SrcOp> omos]
  : ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
  ;

terminal[GrammarAST label] returns [List<SrcOp> omos]
  :  ^(STRING_LITERAL .)   {$omos = controller.stringRef($STRING_LITERAL, $label);}
  | STRING_LITERAL    {$omos = controller.stringRef($STRING_LITERAL, $label);}
  | ^(TOKEN_REF ARG_ACTION .) {$omos = controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
  | ^(TOKEN_REF .)    {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
  | TOKEN_REF     {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
  ;

elementOptions
  : ^(ELEMENT_OPTIONS elementOption+)
  ;

elementOption
  : ID
  |  ^(ASSIGN ID ID)
  |  ^(ASSIGN ID STRING_LITERAL)
  |  ^(ASSIGN ID ACTION)
  |  ^(ASSIGN ID INT)
  ;
```

Found in path(s):

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/codegen/SourceGenTriggers.g

No license file was found, but licenses were detected in source scan.

~ Copyright (c) 2012-2017 The ANTLR Project. All rights reserved.

Found in path(s):

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/META-
INF/maven/org.antlr/antlr4/pom.xml

No license file was found, but licenses were detected in source scan.

```
/*
 * [The "BSD license"]
 *  Copyright (c) 2012-2016 Terence Parr
 *  Copyright (c) 2012-2016 Sam Harwell
 *  Copyright (c) 2014 Eric Vergnaud
```

```
/** ANTLR tool checks output templates are compatible with tool code generation.
 *  For now, a simple string match used on x.y of x.y.z scheme.
 *  Must match Tool.VERSION during load to templates.
 *
 *  REQUIRED.
 */

pythonTypeInitMap ::= [
 "bool":"False",
 "int":"0",
 "float":"0.0",
 "str":"",
 default:"None" // anything other than a primitive type is an object
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
```

```
from io import StringIO
import sys

<namedActions.header>
<parser>

>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx):
    pass

}; separator="\n">

>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx):
    return self.visitChildren(ctx)

}; separator="\n">

>>
```

```
fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>


Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>


Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | u<t>}; null="u\"\<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | u<t>}; null="u\"\<INVALID>\"", separator=", ", wrap, anchor> ]

    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>

    ruleNames =  [ <parser.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType()>.EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)()>

    <namedActions.members>

    <funcs; separator="\n">
```

```
<if(sempredFuncs)>
  def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates == None:
      self._predicates = dict()
<parser.sempredFuncs.values:{f |
    self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n        ">
    pred = self._predicates.get(ruleIndex, None)
    if pred is None:
      raise Exception("No predicate with index:" + str(ruleIndex))
    else:
      return pred(localctx, predIndex)


  <sempredFuncs.values; separator="\n">
<endif>




>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
  if self._actions is None:
    actions = dict()
<recog.actionFuncs.values:{f|
    actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
    self._actions = actions
  action = self._actions.get(ruleIndex, None)
  if action is not None:
    action(localctx, actionIndex)
  else:
    raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
  if self._predicates is None:
    preds = dict()
<recog.sempredFuncs.values:{f|
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
  pred = self._predicates.get(ruleIndex, None)
  if pred is not None:
    return pred(localctx, predIndex)
  else:
```

```
      raise Exception("No registered predicate for:" + str(ruleIndex))


<sempredFuncs.values; separator="\n">
<endif>
>>


parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None


>>


/* This generates a private method since the actionIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx , actionIndex):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>


/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx, predIndex):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> }; separator="\n">


>>


RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
```

```
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name>}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    <endif>
    finally:
        <finallyAction>
        self.exitRule()
    return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
 namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
```

```
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
  finally:
    <finallyAction>
    self.unrollRecursionContexts(_parentctx)
  return localctx

>>


CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>


CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>


LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\nel">
else:
  <error>

>>


LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\nel">
```

```
else:
  pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
  <alts; separator="\n">

<!else if ( !(<followExpr>) ) <error>!>
>>


LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
  <alts; separator="\n">
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  <iteration>

>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
  <alts; separator="\n">
  self.state = <choice.stateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  <iteration>
  if not (<loopExpr>):
    break

>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
```

```
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i>:
    <alt>
    pass
}; separator="\nel">


>>


OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">


>>


StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    if _alt==1<if(!choice.ast.greedy)>+1<endif>:
        <iteration>
        <alts> <! should only be one !>
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)


>>


PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">
    else:
        <error>
    self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})>) and ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =

```
}><endif>self.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>


MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>


MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"


MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"


CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l |    <labelref(l)> = }><else>    <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>


Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>


// ACTION STUFF


Action(a, foo, chunks) ::= "<chunks>"


ArgAction(a, chunks) ::= "<chunks>"


SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>


ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>
```

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar)   ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar)   ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValueRef(a) ::= "localctx.<a.name>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type())"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if (<ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s)   ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"


```
ContextTokenGetterDecl(t)      ::= <<
def <t.name>(self):
  return self.getToken(<parser.name>.<t.name>, 0)
>>


// should never be called
ContextTokenListGetterDecl(t)  ::= <<
def <t.name>_list(self):
  return self.getTokens(<parser.name>.<t.name>)
>>


ContextTokenListIndexedGetterDecl(t)  ::= <<
def <t.name>(self, i=None):
  if i is None:
    return self.getTokens(<parser.name>.<t.name>)
  else:
    return self.getToken(<parser.name>.<t.name>, i)
>>


ContextRuleGetterDecl(r)       ::= <<
def <r.name>(self):
  return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>


// should never be called
ContextRuleListGetterDecl(r)   ::= <<
def <r.name>_list(self):
  return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>


ContextRuleListIndexedGetterDecl(r)   ::= <<
def <r.name>(self, i=None):
  if i is None:
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
  else:
```

```
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 *  r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName)   ::= "_<ruleName>"
ImplicitSetLabel(id)    ::= "_tset<id>"
ListLabelName(label)    ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):

    def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | , <a.name>=None}>):
        super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)
        self.parser = parser
        <attrs:{a | <a>}; separator="\n">
        <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">

    <getters:{g | <g>}; separator="\n\n">

    def getRuleIndex(self):
        return <parser.name>.RULE_<struct.derivedFromName>

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
    def copyFrom(self, ctx):
        super(<parser.name>.<struct.name>, self).copyFrom(ctx)
        <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">

<endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):

    def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context)
```

```
        super(<parser.name>.<struct.name>, self).__init__(parser)
        <attrs:{a | <a>}; separator="\n">
        self.copyFrom(ctx)


    <getters:{g | <g>}; separator="\n">


    <dispatchMethods; separator="\n">


>>


ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)


>>


VisitorDispatchMethod(method) ::= <<
def accept(self, visitor):
    if hasattr(visitor, "visit<struct.derivedFromName; format="cap">"):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)


>>


AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"


/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"


/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"


// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>"
recRuleSetStopToken()             ::= "self._ctx.stop = self._input.LT(-1)"


recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>


recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
```

```
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>


recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>


LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>

<atn>
```

```
class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

  atn = ATNDeserializer().deserialize(serializedATN())

  decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

<if(lexer.channels)>
  <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

<endif>
<if(rest(lexer.modes))>
  <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

<endif>
  <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>

  channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

  modeNames = [ <lexer.modes:{m| u"<m>"}; separator=", ", wrap, anchor> ]

  literalNames = [ u"\<INVALID>",
      <lexer.literalNames:{t | u<t>}; separator=", ", wrap, anchor> ]

  symbolicNames = [ u"\<INVALID>",
      <lexer.symbolicNames:{t | u<t>}; separator=", ", wrap, anchor> ]

  ruleNames = [ <lexer.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

  grammarFileName = u"<lexer.grammarFileName>"

  def __init__(self, input=None, output=sys.stdout):
    super(<lexer.name>, self).__init__(input, output=output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

  <namedActions.members>

  <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
```

```
    with StringIO() as buf:
        buf.write(u"<model.serialized; wrap=")<\n>       buf.write(u"}>")
        return buf.getvalue()
```

>>

```
/** Using a type to init value map, try to init a type; if not in table
 *  must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
No license file was found, but licenses were detected in source scan.

```
/*
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 *
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 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
*/

/** The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.
 *  Parses trees created by ANTLRParser.g.
 *
 *  Rather than have multiple tree grammars, one for each visit, I'm
 *  creating this generic visitor that knows about context. All of the
 *  boilerplate pattern recognition is done here. Then, subclasses can
 *  override the methods they care about. This prevents a lot of the same
 *  context tracking stuff like "set current alternative for current
 *  rule node" that is repeated in lots of tree filters.
 */
tree grammar GrammarTreeVisitor;
options {
 language     = Java;
 tokenVocab   = ANTLRParser;
 ASTLabelType = GrammarAST;
}

// Include the copyright in this source and also the generated source
@header {
/*
[The "BSD license"]
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THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
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```

```
*/
package org.antlr.v4.parse;
import org.antlr.v4.Tool;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Method;
}

@members {
public String grammarName;
public GrammarAST currentRuleAST;
public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;
public String currentRuleName;
public GrammarAST currentOuterAltRoot;
public int currentOuterAltNumber = 1; // 1..n
public int rewriteEBNFLevel = 0;

public GrammarTreeVisitor() { this(null); }

// Should be abstract but can't make gen'd parser abstract;
// subclasses should implement else everything goes to stderr!
public ErrorManager getErrorManager() { return null; }

public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
public void visit(GrammarAST t, String ruleName) {
 CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
 setTreeNodeStream(nodes);
 try {
  Method m = getClass().getMethod(ruleName);
  m.invoke(this);
 }
 catch (Throwable e) {
  ErrorManager errMgr = getErrorManager();
  if ( e instanceof InvocationTargetException ) {
   e = e.getCause();
  }
  //e.printStackTrace(System.err);
  if ( errMgr==null ) {
   System.err.println("can't find rule "+ruleName+
       " or tree structure error: "+t.toStringTree()
       );
   e.printStackTrace(System.err);
  }
  else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
 }
}
```

```java
public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }
public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

public void modeDef(GrammarAST m, GrammarAST ID) { }

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,
    GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
                GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t, GrammarAST ID, GrammarAST valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }
public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }
protected void exitPrequelConstructs(GrammarAST tree) { }
```

```
protected void enterPrequelConstruct(GrammarAST tree) { }
protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }
protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }
protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST tree) { }
protected void exitOptionValue(GrammarAST tree) { }

protected void enterDelegateGrammars(GrammarAST tree) { }
protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }
protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }
protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }
protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }
protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }
protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }
protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }
protected void exitRules(GrammarAST tree) { }

protected void enterMode(GrammarAST tree) { }
protected void exitMode(GrammarAST tree) { }

protected void enterLexerRule(GrammarAST tree) { }
protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }
protected void exitRule(GrammarAST tree) { }

protected void enterExceptionGroup(GrammarAST tree) { }
protected void exitExceptionGroup(GrammarAST tree) { }
```

```java
protected void enterExceptionHandler(GrammarAST tree) { }
protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }
protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }
protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }
protected void exitRuleReturns(GrammarAST tree) { }

protected void enterThrowsSpec(GrammarAST tree) { }
protected void exitThrowsSpec(GrammarAST tree) { }

protected void enterRuleAction(GrammarAST tree) { }
protected void exitRuleAction(GrammarAST tree) { }

protected void enterRuleModifier(GrammarAST tree) { }
protected void exitRuleModifier(GrammarAST tree) { }

protected void enterLexerRuleBlock(GrammarAST tree) { }
protected void exitLexerRuleBlock(GrammarAST tree) { }

protected void enterRuleBlock(GrammarAST tree) { }
protected void exitRuleBlock(GrammarAST tree) { }

protected void enterLexerOuterAlternative(AltAST tree) { }
protected void exitLexerOuterAlternative(AltAST tree) { }

protected void enterOuterAlternative(AltAST tree) { }
protected void exitOuterAlternative(AltAST tree) { }

protected void enterLexerAlternative(GrammarAST tree) { }
protected void exitLexerAlternative(GrammarAST tree) { }

protected void enterLexerElements(GrammarAST tree) { }
protected void exitLexerElements(GrammarAST tree) { }

protected void enterLexerElement(GrammarAST tree) { }
protected void exitLexerElement(GrammarAST tree) { }

protected void enterLabeledLexerElement(GrammarAST tree) { }
protected void exitLabeledLexerElement(GrammarAST tree) { }

protected void enterLexerBlock(GrammarAST tree) { }
protected void exitLexerBlock(GrammarAST tree) { }
```

```java
protected void enterLexerAtom(GrammarAST tree) { }
protected void exitLexerAtom(GrammarAST tree) { }

protected void enterActionElement(GrammarAST tree) { }
protected void exitActionElement(GrammarAST tree) { }

protected void enterAlternative(AltAST tree) { }
protected void exitAlternative(AltAST tree) { }

protected void enterLexerCommand(GrammarAST tree) { }
protected void exitLexerCommand(GrammarAST tree) { }

protected void enterLexerCommandExpr(GrammarAST tree) { }
protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }
protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }
protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }
protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }
protected void exitSubrule(GrammarAST tree) { }

protected void enterLexerSubrule(GrammarAST tree) { }
protected void exitLexerSubrule(GrammarAST tree) { }

protected void enterBlockSuffix(GrammarAST tree) { }
protected void exitBlockSuffix(GrammarAST tree) { }

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }
```

```
protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) { }

protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }

 @Override
 public void traceIn(String ruleName, int ruleIndex)  {
  System.err.println("enter "+ruleName+": "+input.LT(1));
 }

 @Override
 public void traceOut(String ruleName, int ruleIndex)  {
  System.err.println("exit "+ruleName+": "+input.LT(1));
 }
}

grammarSpec
@init {
 enterGrammarSpec($start);
}
@after {
 exitGrammarSpec($start);
}
  :  ^( GRAMMAR ID {grammarName=$ID.text;}
    {discoverGrammar((GrammarRootAST)$GRAMMAR, $ID);}
     prequelConstructs
    {finishPrequels($prequelConstructs.firstOne);}
     rules mode*
    {finishGrammar((GrammarRootAST)$GRAMMAR, $ID);}
  )
;

prequelConstructs returns [GrammarAST firstOne=null]
@init {
 enterPrequelConstructs($start);
}
@after {
```

```
    exitPrequelConstructs($start);
  }
 : {$firstOne=$start;} prequelConstruct+
 |
 ;

prequelConstruct
@init {
 enterPrequelConstructs($start);
}
@after {
 exitPrequelConstructs($start);
}
 :  optionsSpec
   | delegateGrammars
   | tokensSpec
   | channelsSpec
   | action
   ;

optionsSpec
@init {
 enterOptionsSpec($start);
}
@after {
 exitOptionsSpec($start);
}
 : ^(OPTIONS option*)
   ;

option
@init {
 enterOption($start);
 boolean rule = inContext("RULE ...");
 boolean block = inContext("BLOCK ...");
}
@after {
 exitOption($start);
}
  :  ^(a=ASSIGN ID v=optionValue)
   {
   if ( block ) blockOption($ID, $v.start); // most specific first
   else if ( rule ) ruleOption($ID, $v.start);
   else grammarOption($ID, $v.start);
   }
   ;

optionValue returns [String v]
```

```
@init {
enterOptionValue($start);
$v = $start.token.getText();
}
@after {
exitOptionValue($start);
}
  :  ID
  |  STRING_LITERAL
  |  INT
  ;

delegateGrammars
@init {
enterDelegateGrammars($start);
}
@after {
exitDelegateGrammars($start);
}
  :  ^(IMPORT delegateGrammar+)
  ;

delegateGrammar
@init {
enterDelegateGrammar($start);
}
@after {
exitDelegateGrammar($start);
}
  :  ^(ASSIGN label=ID id=ID) {importGrammar($label, $id);}
  |  id=ID     {importGrammar(null, $id);}
  ;

tokensSpec
@init {
enterTokensSpec($start);
}
@after {
exitTokensSpec($start);
}
  :  ^(TOKENS_SPEC tokenSpec+)
  ;

tokenSpec
@init {
enterTokenSpec($start);
}
@after {
```

```
exitTokenSpec($start);
}
: ID    {defineToken($ID);}
;


channelsSpec
@init {
enterChannelsSpec($start);
}
@after {
exitChannelsSpec($start);
}
 :  ^(CHANNELS channelSpec+)
;


channelSpec
@init {
enterChannelSpec($start);
}
@after {
exitChannelSpec($start);
}
: ID     {defineChannel($ID);}
;


action
@init {
enterAction($start);
}
@after {
exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;


rules
@init {
enterRules($start);
}
@after {
exitRules($start);
}
 : ^(RULES {discoverRules($RULES);} (rule|lexerRule)* {finishRules($RULES);})
 ;


mode
@init {
enterMode($start);
}
```

```
}
@after {
exitMode($start);
}
: ^( MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;


lexerRule
@init {
enterLexerRule($start);
List<GrammarAST> mods = new ArrayList<GrammarAST>();
currentOuterAltNumber=0;
}
@after {
exitLexerRule($start);
}
: ^( RULE TOKEN_REF
  {currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
  (^(RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
    {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, (GrammarAST)input.LT(1));}
    lexerRuleBlock
    {
    finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
    currentRuleName=null; currentRuleAST=null;
    }
    )
;


rule
@init {
enterRule($start);
List<GrammarAST> mods = new ArrayList<GrammarAST>();
List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
currentOuterAltNumber=0;
}
@after {
exitRule($start);
}
:  ^( RULE RULE_REF {currentRuleName=$RULE_REF.text; currentRuleAST=$RULE;}
  (^(RULEMODIFIERS (m=ruleModifier{mods.add($m.start);})+))?
  ARG_ACTION?
    ret=ruleReturns?
    thr=throwsSpec?
    loc=locals?
    ( opts=optionsSpec
    | a=ruleAction {actions.add($a.start);}
    )*
    {discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
```

```
            $ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
            $thr.start, $opts.start,
            $loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
            actions, (GrammarAST)input.LT(1));}
        ruleBlock exceptionGroup
        {finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
        )
    ;

exceptionGroup
@init {
 enterExceptionGroup($start);
}
@after {
 exitExceptionGroup($start);
}
  : exceptionHandler* finallyClause?
  ;

exceptionHandler
@init {
 enterExceptionHandler($start);
}
@after {
 exitExceptionHandler($start);
}
 : ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION, (ActionAST)$ACTION);}
 ;

finallyClause
@init {
 enterFinallyClause($start);
}
@after {
 exitFinallyClause($start);
}
 : ^(FINALLY ACTION)    {finallyAction((ActionAST)$ACTION);}
 ;

locals
@init {
 enterLocals($start);
}
@after {
 exitLocals($start);
}
 : ^(LOCALS ARG_ACTION)
 ;
```

```
ruleReturns
@init {
enterRuleReturns($start);
}
@after {
exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

throwsSpec
@init {
enterThrowsSpec($start);
}
@after {
exitThrowsSpec($start);
}
  : ^(THROWS ID+)
  ;

ruleAction
@init {
enterRuleAction($start);
}
@after {
exitRuleAction($start);
}
: ^(AT ID ACTION)
;

ruleModifier
@init {
enterRuleModifier($start);
}
@after {
exitRuleModifier($start);
}
  : PUBLIC
  | PRIVATE
  | PROTECTED
  | FRAGMENT
  ;

lexerRuleBlock
@init {
enterLexerRuleBlock($start);
}
```

```
@after {
exitLexerRuleBlock($start);
}
  : ^( BLOCK
   ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
   currentOuterAltNumber++;
   }
    lexerOuterAlternative
   )+
   )
  ;


ruleBlock
@init {
enterRuleBlock($start);
}
@after {
exitRuleBlock($start);
}
  : ^( BLOCK
   ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
   currentOuterAltNumber++;
   }
    outerAlternative
   )+
   )
  ;


lexerOuterAlternative
@init {
enterLexerOuterAlternative((AltAST)$start);
discoverOuterAlt((AltAST)$start);
}
@after {
finishOuterAlt((AltAST)$start);
exitLexerOuterAlternative((AltAST)$start);
}
 : lexerAlternative
 ;


outerAlternative
@init {
enterOuterAlternative((AltAST)$start);
discoverOuterAlt((AltAST)$start);
}
```

```
@after {
finishOuterAlt((AltAST)$start);
exitOuterAlternative((AltAST)$start);
}
: alternative
;

lexerAlternative
@init {
enterLexerAlternative($start);
}
@after {
exitLexerAlternative($start);
}
: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)
  | lexerElements
  ;

lexerElements
@init {
enterLexerElements($start);
}
@after {
exitLexerElements($start);
}
  : ^(ALT lexerElement+)
  ;

lexerElement
@init {
enterLexerElement($start);
}
@after {
exitLexerElement($start);
}
: labeledLexerElement
| lexerAtom
| lexerSubrule
|   ACTION     {actionInAlt((ActionAST)$ACTION);}
|   SEMPRED     {sempredInAlt((PredAST)$SEMPRED);}
|   ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
|   ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| EPSILON
;

labeledLexerElement
@init {
enterLabeledLexerElement($start);
```

```
}
@after {
 exitLabeledLexerElement($start);
}
  :  ^((ASSIGN|PLUS_ASSIGN) ID (lexerAtom|block))
;


lexerBlock
@init {
 enterLexerBlock($start);
}
@after {
 exitLexerBlock($start);
}
: ^(BLOCK optionsSpec? lexerAlternative+)
  ;


lexerAtom
@init {
 enterLexerAtom($start);
}
@after {
 exitLexerAtom($start);
}
  :  terminal
  |  ^(NOT blockSet)
  |  blockSet
  |  ^(WILDCARD elementOptions)
  |  WILDCARD
  | LEXER_CHAR_SET
  |  range
  |  ruleref
  ;


actionElement
@init {
 enterActionElement($start);
}
@after {
 exitActionElement($start);
}
 : ACTION
 |  ^(ACTION elementOptions)
 |  SEMPRED
 |  ^(SEMPRED elementOptions)
 ;


alternative
```

```
@init {
enterAlternative((AltAST)$start);
discoverAlt((AltAST)$start);
}
@after {
finishAlt((AltAST)$start);
exitAlternative((AltAST)$start);
}
: ^(ALT elementOptions? element+)
| ^(ALT elementOptions? EPSILON)
  ;

lexerCommand
@init {
enterLexerCommand($start);
}
@after {
exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
    {lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
| ID
    {lexerCommand(currentOuterAltNumber, $ID);}
;

lexerCommandExpr
@init {
enterLexerCommandExpr($start);
}
@after {
exitLexerCommandExpr($start);
}
: ID
| INT
;

element
@init {
enterElement($start);
}
@after {
exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION      {actionInAlt((ActionAST)$ACTION);}
| SEMPRED     {sempredInAlt((PredAST)$SEMPRED);}
```

```
|  ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
|  ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^(NOT blockSet)
| ^(NOT block)
;

astOperand
@init {
 enterAstOperand($start);
}
@after {
 exitAstOperand($start);
}
 : atom
| ^(NOT blockSet)
| ^(NOT block)
 ;

labeledElement
@init {
 enterLabeledElement($start);
}
@after {
 exitLabeledElement($start);
}
 : ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
 ;

subrule
@init {
 enterSubrule($start);
}
@after {
 exitSubrule($start);
}
 : ^(blockSuffix block)
|  block
  ;

lexerSubrule
@init {
 enterLexerSubrule($start);
}
@after {
 exitLexerSubrule($start);
}
 : ^(blockSuffix lexerBlock)
```

```
    | lexerBlock
     ;

blockSuffix
@init {
 enterBlockSuffix($start);
}
@after {
 exitBlockSuffix($start);
}
   : ebnfSuffix
   ;

ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
 exitEbnfSuffix($start);
}
 : OPTIONAL
 | CLOSURE
  | POSITIVE_CLOSURE
;

atom
@init {
 enterAtom($start);
}
@after {
 exitAtom($start);
}
 : ^(DOT ID terminal)
 | ^(DOT ID ruleref)
  | ^(WILDCARD elementOptions) {wildcardRef($WILDCARD);}
  | WILDCARD     {wildcardRef($WILDCARD);}
  |  terminal
  | blockSet
  |  ruleref
  ;

blockSet
@init {
 enterBlockSet($start);
}
@after {
 exitBlockSet($start);
}
```

```
: ^(SET setElement+)
;

setElement
@init {
enterSetElement($start);
}
@after {
exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions)   {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions)   {tokenRef((TerminalAST)$TOKEN_REF);}
| STRING_LITERAL              {stringRef((TerminalAST)$STRING_LITERAL);}
| TOKEN_REF            {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
 {
 stringRef((TerminalAST)$a);
 stringRef((TerminalAST)$b);
 }
     |    LEXER_CHAR_SET
;

block
@init {
enterBlock($start);
}
@after {
exitBlock($start);
}
  : ^(BLOCK optionsSpec? ruleAction* ACTION? alternative+)
  ;

ruleref
@init {
enterRuleref($start);
}
@after {
exitRuleref($start);
}
  : ^(RULE_REF arg=ARG_ACTION? elementOptions?)
  {
  ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
  if ( $arg!=null ) actionInAlt((ActionAST)$arg);
  }
  ;

range
@init {
```

```
enterRange($start);
}
@after {
exitRange($start);
}
 : ^(RANGE STRING_LITERAL STRING_LITERAL)
 ;


terminal
@init {
enterTerminal($start);
}
@after {
exitTerminal($start);
}
 :  ^(STRING_LITERAL elementOptions)
      {stringRef((TerminalAST)$STRING_LITERAL);}
 | STRING_LITERAL    {stringRef((TerminalAST)$STRING_LITERAL);}
 | ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
 | TOKEN_REF       {tokenRef((TerminalAST)$TOKEN_REF);}
 ;

elementOptions
@init {
enterElementOptions($start);
}
@after {
exitElementOptions($start);
}
 : ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*)
 ;

elementOption[GrammarASTWithOptions t]
@init {
enterElementOption($start);
}
@after {
exitElementOption($start);
}
 : ID      {elementOption(t, $ID, null);}
 |  ^(ASSIGN id=ID v=ID)   {elementOption(t, $id, $v);}
 |  ^(ASSIGN ID v=STRING_LITERAL) {elementOption(t, $ID, $v);}
 |  ^(ASSIGN ID v=ACTION)   {elementOption(t, $ID, $v);}
 |  ^(ASSIGN ID v=INT)    {elementOption(t, $ID, $v);}
 ;

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
```

jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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```
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 */

/** How to generate rules derived from left-recursive rules.
 * These rely on recRuleAltPredicate(),
 * recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
 * templates in main language.stg
 */
group LeftRecursiveRules;

recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
    userRetvals, leftRecursiveRuleRefLabels) ::=
<<
<ruleName><if(userRetvals)> returns [<userRetvals>]<endif>
  : ( {} <primaryAlts:{alt | <alt.altText> }; separator="\n      | ">
    )
    (
      <opAlts; separator="\n      | ">
```

```
    )*
  ;
>>


recRuleAlt(alt, precOption, opPrec, pred) ::= <<
{<pred>}?\<<precOption>=<opPrec>\> <alt.altText>
>>
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg
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 */


// File     : A3Lexer.g
// Author   : Jim Idle (jimi@temporal-wave.com)
// Copyright : Free BSD - See @header clause below
// Version  : First implemented as part of ANTLR 3.2 this is the self
//            hosting ANTLR 3 Lexer.
```

```
//
// Description
// -----------
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// gramnmars are derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grmmmars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritence;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{} sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
//    and report them specifically and not just issue confusing lexer mismatch errors.
//

/** Read in an ANTLR grammar and build an AST.  Try not to do
 *  any actions, just build the tree.
 *
 *  The phases are:
 *
 *  A3Lexer.g (this file)
 *          A3Parser.g
 *          A3Verify.g (derived from A3Walker.g)
 *  assign.types.g
 *  define.g
 *  buildnfa.g
 *  antlr.print.g (optional)
 *  codegen.g
 *
 *  Terence Parr
 *  University of San Francisco
 *  2005
 *  Jim Idle (this v3 grammar)
 *  Temporal Wave LLC
 *  2009
 */
lexer grammar ANTLRLexer;

// ===========================================================================
```

```
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first
// be parsed by the original v2 parser, before it replaces it. That parser does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =============================================================================


// -------
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

 // Target language is Java, which is the default but being specific
 // here as this grammar is also meant as a good example grammar for
 // for users.
 //
 language     = Java;

 // The super class that this lexer should expect to inherit from, and
 // which contains any and all support routines for the lexer. This is
 // commented out in this baseline (definitive or normative grammar)
 // - see the ANTLR tool implementation for hints on how to use the super
 //   class
 //
 //superclass    = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }

// Include the copyright in this source and also the generated source
//
@lexer::header {
/*
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```

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   derived from this software without specific prior written permission.

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}



@members {
 public static final int COMMENTS_CHANNEL = 2;

  public CommonTokenStream tokens; // track stream we push to; need for context info
  public boolean isLexerRule = false;

 public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }

/** scan backwards from current point in this.tokens list
 *  looking for the start of the rule or subrule.
 *  Return token or null if for some reason we can't find the start.
 */
 public Token getRuleOrSubruleStartToken() {
    if ( tokens==null ) return null;
 int i = tokens.index();
    int n = tokens.size();
    if ( i>=n ) i = n-1; // seems index == n as we lex
  while ( i>=0 && i<n ) {
  int ttype = tokens.get(i).getType();
  if ( ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF ) {
   return tokens.get(i);
  }
  i--;
  }
  return null;
 }
}
```

```
// --------
// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
// Note how we guide the lexical PATH because we want to issue a decriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We alo trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

 // Record the start line and offsets as if we need to report an
 // unterminated comment, then we want to show the start of the comment
 // we think is broken, not the end, where people will have to try and work
 // it out themselves.
 //
 int startLine = $line;
 int offset    = getCharPositionInLine();
}
  : // Eat the first character only, then see if we have a comment
    // or something silly.
    //
    '/'  // Comment introducer

  (
      // Single line comment, possibly with embedded src/line directives
      // in a similar style to the C pre-processor, allowing generated
      // code to refer the programmer back to the original source code
      // in case of error.
      //
      '/'
       (
          (' $ANTLR')=> ' $ANTLR' SRC
        | ~(NLCHARS)*
       )

    | // Multi-line comment, which may be a documentation comment
       // if it starts /** (note that we protect against accidentaly
       // recognizing a comment /**/ as a documentation comment
       //
       '*' (
           { input.LA(2) != '/'}?=> '*' { $type = DOC_COMMENT; }
         | { true }?=> // Required to cover all alts with predicates
```

```
        )

        // Should we support embedded multiline comments here?
        //
        (
            // Pick out end of multiline comment and exit the loop
            // if we find it.
            //
            {    !(input.LA(1) == '*' && input.LA(2) == '/') }?

              // Anything else other than the non-greedy match of
              // the comment close sequence
              //
              .
        )*
      (
          // Look for the comment terminator, but if it is accidentally
          // unterminated, then we will hit EOF, which will trigger the
          // epsilon alt and hence we can issue an error message relative
          // to the start of the unterminated multi-line comment
          //
          '*/'

          | // Unterminated comment!
          //
          {
          // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
          }
      )

    | // There was nothing that made sense following the opening '/' and so
      // we issue an error regarding the malformed comment
      //
      {
       // TODO: Insert error message relative to comment start
       //
      }
  )
  {
   // We do not wish to pass the comments in to the parser. If you are
   // writing a formatter then you will want to preserve the comments off
   // channel, but could just skip and save token space if not.
   //
   $channel=COMMENTS_CHANNEL;
  }
;
```

```
ARG_OR_CHARSET
options {k=1;}
  :  {isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
  |  {!isLexerRule}?=> ARG_ACTION
    {
    $type=ARG_ACTION;
    // Set the token text to our gathered string minus outer [ ]
    String t = $text;
    t = t.substring(1,t.length()-1);
    setText(t);
    }
  ;


fragment
LEXER_CHAR_SET
 : '['
  ( '\\' ~('\r'|'\n')
  | ~('\r'|'\n'|'\\'|']')
  )*
  ']'
  ;


// --------------
// Argument specs
//
// Certain argument lists, such as those specifying call parameters
// to a rule invocation, or input parameters to a rule specification
// are contained within square brackets. In the lexer we consume them
// all at once and sort them out later in the grammar analysis.
//
fragment
ARG_ACTION
 : '['
    (
        ARG_ACTION

      | ('"')=>ACTION_STRING_LITERAL

      | ('\'')=>ACTION_CHAR_LITERAL

      | ~('['|']')
    )*

    ']'
 ;

// -------
// Actions
```

```
//
// Other than making sure to distinguish between { and } embedded
// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by {}) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting {} is no additional overhead.
//
ACTION
 : NESTED_ACTION
  ( '?' {$type = SEMPRED;}
   ( (WSNLCHARS* '=>') => WSNLCHARS* '=>' // v3 gated sempred
    {
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    grammarError(ErrorType.V3_GATED_SEMPRED, t);
    }
   )?
  )?
 ;


// ----------------
// Action structure
//
// Many language targets use {} as block delimiters and so we
// must recursively match {} delimited blocks to balance the
// braces. Additionally, we must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited by ' or " and so consume these
// in their own alts so as not to inadvertantly match {}.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION
@init {

 // Record the start line and offsets as if we need to report an
 // unterminated block, then we want to show the start of the comment
 // we think is broken, not the end, where people will have to try and work
 // it out themselves.
 //
 int startLine = getLine();
 int offset    = getCharPositionInLine();
}
```

```
  :    // Action and other blocks start with opening {
       //
  '{'
     (
       // And now we can match one of a number of embedded
       // elements within the action until we find a
       // } that balances the opening {. If we do not find
       // the balanced } then we will hit EOF and can issue
       // an error message about the brace that we belive to
       // be mismatched. This won't be foolproof but we will
       // be able to at least report an error against the
       // opening brace that we feel is in error and this will
       // guide the user to the correction as best we can.
       //


         // An embedded {} block
       //
       NESTED_ACTION

      | // What appears to be a literal
        //
        ACTION_CHAR_LITERAL

      | // We have assumed that the target language has C/Java
        // type comments.
        //
        COMMENT

      | // What appears to be a literal
        //
        ACTION_STRING_LITERAL

     | // What appears to be an escape sequence
       //
       ACTION_ESC

     | // Some other single character that is not
       // handled above
       //
       ~('\\'|'"'|'\''|'/'|'{'|'}')

     )*

  (
     // Correctly balanced closing brace
     //
     '}'
```

```
  | // Looks like have an imblanced {} block, report
    // with respect to the opening brace.
    //
    {
       // TODO: Report imbalanced {}
       System.out.println("Block starting  at line " + startLine + " offset " + (offset+1) + " contains imbalanced {} or
is missing a }");
    }
 )
  ;


// Keywords
// --------
// keywords used to specify ANTLR v3 grammars. Keywords may not be used as
// labels for rules or in any other context where they would be ambiguous
// with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same {} delimiters.
//
OPTIONS     : 'options'  WSNLCHARS* '{'  ;
TOKENS_SPEC : 'tokens'   WSNLCHARS* '{'  ;
CHANNELS    : 'channels' WSNLCHARS* '{'  ;

IMPORT      : 'import'             ;
FRAGMENT    : 'fragment'           ;
LEXER       : 'lexer'             ;
PARSER      : 'parser'            ;
GRAMMAR     : 'grammar'           ;
TREE_GRAMMAR : 'tree' WSNLCHARS* 'grammar' ;
PROTECTED   : 'protected'          ;
PUBLIC      : 'public'            ;
PRIVATE     : 'private'            ;
RETURNS     : 'returns'            ;
LOCALS      : 'locals'            ;
THROWS      : 'throws'             ;
CATCH       : 'catch'             ;
FINALLY     : 'finally'            ;
MODE        : 'mode'             ;

// -----------
// Punctuation
//
// Character sequences used as separators, delimters, operators, etc
//
COLON       : ':'
```

```
        {
        // scan backwards, looking for a RULE_REF or TOKEN_REF.
        // which would indicate the start of a rule definition.
        // If we see a LPAREN, then it's the start of the subrule.
        // this.tokens is the token string we are pushing into, so
        // just loop backwards looking for a rule definition. Then
        // we set isLexerRule.
        Token t = getRuleOrSubruleStartToken();
        if ( t!=null ) {
            if ( t.getType()==RULE_REF ) isLexerRule = false;
            else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
            // else must be subrule; don't alter context
        }
        }
    ;
COLONCOLON   : '::'            ;
COMMA        : ','            ;
SEMI         : ';'            ;
LPAREN       : '('            ;
RPAREN       : ')'            ;
RARROW       : '->'            ;
LT           : '<'            ;
GT           : '>'            ;
ASSIGN       : '='            ;
QUESTION     : '?'            ;
SYNPRED      : '=>'
    {
    Token t = new CommonToken(input, state.type, state.channel,
                  state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    grammarError(ErrorType.V3_SYNPRED, t);
        $channel=HIDDEN;
    }
    ;
STAR         : '*'            ;
PLUS         : '+'            ;
PLUS_ASSIGN  : '+='            ;
OR           : '|'            ;
DOLLAR       : '$'            ;
DOT          : '.'            ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE        : '..'            ;
AT           : '@'            ;
POUND        : '#'            ;
NOT          : '~'            ;
RBRACE       : '}'            ;
```

```
/** Allow unicode rule/token names */
ID   : a=NameStartChar NameChar*
    {
    if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
    else $type = RULE_REF;
    }
    ;

fragment
NameChar   :   NameStartChar
       |  '0'..'9'
       |  '_'
       |  '\u00B7'
       |  '\u0300'..'\u036F'
       |  '\u203F'..'\u2040'
       ;

fragment
NameStartChar
       :  'A'..'Z' | 'a'..'z'
       |  '\u00C0'..'\u00D6'
       |  '\u00D8'..'\u00F6'
       |  '\u00F8'..'\u02FF'
       |  '\u0370'..'\u037D'
       |  '\u037F'..'\u1FFF'
       |  '\u200C'..'\u200D'
       |  '\u2070'..'\u218F'
       |  '\u2C00'..'\u2FEF'
       |  '\u3001'..'\uD7FF'
       |  '\uF900'..'\uFDCF'
       |  '\uFDF0'..'\uFEFE'
       |  '\uFF00'..'\uFFFD'
       ; // ignores | ['\u10000-'\uEFFFF] ;

// ----------------------------
// Literals embedded in actions
//
// Note that we have made the assumption that the language used within
// actions uses the fairly standard " and ' delimiters for literals and
// that within these literals, characters are escaped using the \ character.
// There are some languages which do not conform to this in all cases, such
// as by using /string/ and so on. We will have to deal with such cases if
// if they come up in targets.
//

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal characters. Within these, we do
// not want to inadvertantly match things like '}' and so we eat them
```

```
// specifically. While this rule is called CHAR it allows for the fact that
// some languages may use/allow ' as the string delimiter.
//
fragment
ACTION_CHAR_LITERAL
 : '\" (('\\')=>ACTION_ESC | ~'\" )* '\"
 ;


// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal strings. Within these, we do
// not want to inadvertantly match things like '}' and so we eat them
// specifically.
//
fragment
ACTION_STRING_LITERAL
 : '"' (('\\')=>ACTION_ESC | ~'"')* '"'
 ;


// Within literal strings and characters that are not part of the ANTLR
// syntax, we must allow for escaped character sequences so that we do not
// inadvertantly recognize the end of a string or character when the terminating
// delimiter has been esacped.
//
fragment
ACTION_ESC
 : '\\' .
 ;


// -------
// Integer
//
// Obviously (I hope) match an aribtrary long sequence of digits.
//
INT : ('0'..'9')+
   ;


// -----------
// Source spec
//
// A fragment rule for picking up information about an origrinating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
    {
      // TODO: Add target specific code to change the source file name and current line number
```

```
        //
    }
  ;


// --------------
// Literal string
//
// ANTLR makes no disticintion between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
  : '\" ( ( ESC_SEQ | ~('\\'|'\"'|'\r'|'\n') ) )*
    (   '\"
    |   // Unterminated string literal
        {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
        }
    )
  ;


// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;


// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
  : '\\'
    (
        // The standard escaped character set such as tab, newline, etc...
      'b'|'t'|'n'|'f'|'r'|'\"'|'\\'

      | // A Java style Unicode escape sequence
        UNICODE_ESC

        | // A Swift/Hack style Unicode escape sequence
          UNICODE_EXTENDED_ESC

      | // An illegal escape seqeunce
        ~('b'|'t'|'n'|'f'|'r'|'\"'|'\\'|'u') // \x for any invalid x (make sure to match char here)
```

```
        {
            Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-2, getCharIndex()-1);
            t.setText(t.getText());
            t.setLine(input.getLine());
            t.setCharPositionInLine(input.getCharPositionInLine()-2);
            grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
        }
    )
  ;

fragment
UNICODE_ESC
@init {

 // Flag to tell us whether we have a valid number of
 // hex digits in the escape sequence
 //
 int hCount = 0;
}
   :  'u' // Leadin for unicode escape sequence

     // We now require 4 hex digits. Note though
     // that we accept any number of characters
     // and issue an error if we do not get 4. We cannot
     // use an inifinite count such as + because this
     // might consume too many, so we lay out the lexical
     // options and issue an error at the invalid paths.
     //
  (
    (
      HEX_DIGIT  { hCount++; }
      (
        HEX_DIGIT  { hCount++; }
      (
        HEX_DIGIT  { hCount++; }
        (
          // Four valid hex digits, we are good
          //
          HEX_DIGIT { hCount++; }

          | // Three valid digits
        )

        | // Two valid digits
      )

      | // One valid digit
```

```
      )
       )
      | // No valid hex digits at all
  )

  // Now check the digit count and issue an error if we need to
  //
  {
   if (hCount < 4) {
  Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
  String lastChar = input.substring(badRange.b, badRange.b);
  if ( lastChar.codePointAt(0)=='\' ) {
   badRange.b--;
  }
  String bad = input.substring(badRange.a, badRange.b);
  Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
  t.setLine(input.getLine());
  t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
  grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, bad);
   }
   }
  ;


fragment
UNICODE_EXTENDED_ESC
  : 'u{' // Leadin for unicode extended escape sequence

    HEX_DIGIT+ // One or more hexadecimal digits

    '}' // Leadout for unicode extended escape sequence

    // Now check the digit count and issue an error if we need to
    {
       int numDigits = getCharIndex()-state.tokenStartCharIndex-6;
       if (numDigits > 6) {
          Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-
1);
          t.setText(t.getText());
          t.setLine(input.getLine());
          t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
          grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex,getCharIndex()-1));
  }
    }
  ;


// ----------
// Whitespace
```

```
//
// Characters and character constructs that are of no import
// to the parser and are used to make the grammar easier to read
// for humans.
//
WS
  : (
    ' '
    | '\t'
    | '\r'
    | '\n'
    | '\f'
    )+
    {$channel=HIDDEN;}
  ;


// A fragment rule for use in recognizing end of line in
// rules like COMMENT.
//
fragment
NLCHARS
  : '\n' | '\r'
  ;


// A fragment rule for recognizing traditional whitespace
// characters within lexer rules.
//
fragment
WSCHARS
  : ' ' | '\t' | '\f'
  ;


// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
WSNLCHARS
  : ' ' | '\t' | '\f' | '\n' | '\r'
  ;


// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a
// byte order mark. Since this Unicode character doesn't appear as a token
// anywhere else in the grammar, we can simply skip all instances of it without
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or
// STRING_LITERAL.
UnicodeBOM
  :  '\uFEFF' {skip();}
```

```
    ;

// ----------------
// Illegal Character
//
// This is an illegal character trap which is always the last rule in the
// lexer specification. It matches a single character of any value and being
// the last rule in the file will match when no other rule knows what to do
// about the character. It is reported as an error but is not passed on to the
// parser. This means that the parser to deal with the gramamr file anyway
// but we will not try to analyse or code generate from a file with lexical
// errors.
//
ERRCHAR
  : .
    {
      Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
      t.setLine(state.tokenStartLine);
      t.setText(state.text);
      t.setCharPositionInLine(state.tokenStartCharPositionInLine);
      String msg = getTokenErrorDisplay(t) + " came as a complete surprise to me";
      grammarError(ErrorType.SYNTAX_ERROR, t, msg);
      state.syntaxErrors++;
      skip();
    }
  ;
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ANTLRLexer.g
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ANTLRParser.java
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*/

javaTypeInitMap ::= [
 "int":"0",
 "long":"0",

```
 "float":"0.0f",
 "double":"0.0",
 "boolean":"false",
 "byte":"0",
 "short":"0",
 "char":"0",
 default:"null" // anything other than a primitive type is an object
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.misc.*;
import org.antlr.v4.runtime.tree.*;
import java.util.List;
import java.util.Iterator;
import java.util.ArrayList;

<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeListener;

/**
* This interface defines a complete listener for a parse tree produced by
* {@link <file.parserName>}.
*/
public interface <file.grammarName>Listener extends ParseTreeListener {
 <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
* Enter a parse tree produced by the {@code <lname>\}
* labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
```

```
 * Enter a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
 * @param ctx the parse tree
 */
void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the {@code <lname>\}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Exit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
 * @param ctx the parse tree
 */
void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

/**
 * This class provides an empty implementation of {@link <file.grammarName>Listener},
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
 <file.listenerNames:{lname |
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}};
```

```
separator="\n">

 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 @Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 @Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 @Override public void visitTerminal(TerminalNode node) { }
/**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
  */
 @Override public void visitErrorNode(ErrorNode node) { }
 }
>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
* This interface defines a complete generic visitor for a parse tree produced
* by {@link <file.parserName>}.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
 <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
```

```
* Visit a parse tree produced by the {@code <lname>\}
* labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>\}.
<else>
* Visit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
* @return the visitor result
*/
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>


BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
* This class provides an empty implementation of {@link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
public class <file.grammarName>BaseVisitor\<T> extends AbstractParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T> {
 <file.visitorNames:{lname |
/**
* {@inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
@Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \}}; separator="\n">
}
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>


Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
```

```
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <parser.name> extends <superClass; null="Parser"> {
 static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }

 protected static final DFA[] _decisionToDFA;
 protected static final PredictionContextCache _sharedContextCache =
  new PredictionContextCache();
<if(parser.tokens)>
public static final int
 <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
public static final int
 <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
 private static String[] makeRuleNames() {
 return new String[] {
  <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
 };
 }
public static final String[] ruleNames = makeRuleNames();

<vocabulary(parser.literalNames, parser.symbolicNames)>

 @Override
 public String getGrammarFileName() { return "<parser.grammarFileName; format="java-escape">"; }

 @Override
 public String[] getRuleNames() { return ruleNames; }

 @Override
 public String getSerializedATN() { return _serializedATN; }

 @Override
 public ATN getATN() { return _ATN; }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
 public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
  switch (ruleIndex) {
  <parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
  }
```

```
  return true;
 }
 <sempredFuncs.values; separator="\n">
<endif>

 <atn>
 }
 >>


vocabulary(literalNames, symbolicNames) ::= <<
private static String[] makeLiteralNames() {
 return new String[] {
  <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
 };
 }
private static final String[] _LITERAL_NAMES = makeLiteralNames();
private static String[] makeSymbolicNames() {
 return new String[] {
  <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
 };
 }
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
_SYMBOLIC_NAMES);

/**
* @deprecated Use {@link #VOCABULARY} instead.
*/
@Deprecated
public static final String[] tokenNames;
static {
 tokenNames = new String[_SYMBOLIC_NAMES.length];
 for (int i = 0; i \< tokenNames.length; i++) {
  tokenNames[i] = VOCABULARY.getLiteralName(i);
  if (tokenNames[i] == null) {
   tokenNames[i] = VOCABULARY.getSymbolicName(i);
  }

  if (tokenNames[i] == null) {
   tokenNames[i] = "\<INVALID>";
  }
 }
 }

 @Override
 @Deprecated
 public String[] getTokenNames() {
  return tokenNames;
```

```
}

@Override

public Vocabulary getVocabulary() {
 return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
 <f.name>_action((<f.ctxType>)_localctx, actionIndex);
 break;}; separator="\n">
 }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
 switch (ruleIndex) {
 <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
 }
 return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
public <p.name>(TokenStream input) {
 super(input);
 _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
```

```
switch (actionIndex) {
<actions:{index|
case <index>:
<actions.(index)>
break;}; separator="\n">
}
}
>>


/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
switch (predIndex) {
<actions:{index|
case <index>:
return <actions.(index)>;}; separator="\n">
}
return true;
}
>>


RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=",">) throws RecognitionException {
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState()<currentRule.args:{a | ,
<a.name>}>);
enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch (RecognitionException re) {
```

```
  _localctx.exception = re;
  _errHandler.reportError(this, re);
  _errHandler.recover(this, re);
 }
 <endif>
 finally {
  <finallyAction>
  exitRule();
 }
 return _localctx;
 }
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
 namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) throws RecognitionException {
 return <currentRule.name>(0<currentRule.args:{a | , <a.name>}>);
 }

private <currentRule.ctxType> <currentRule.name>(int _p<args:{a | , <a>}>) throws RecognitionException {
 ParserRuleContext _parentctx = _ctx;
 int _parentState = getState();
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>);
 <currentRule.ctxType> _prevctx = _localctx;
 int _startState = <currentRule.startState>;
 enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
 <namedActions.init>
 <locals; separator="\n">
 try {
<if(currentRule.hasLookaheadBlock)>
 int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
 }
 catch (RecognitionException re) {
 _localctx.exception = re;
 _errHandler.reportError(this, re);
 _errHandler.recover(this, re);
 }
```

```
finally {
 <finallyAction>
 unrollRecursionContexts(_parentctx);
 }
 return _localctx;
 }
 >>


CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>


CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>


LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break;}; separator="\n">
default:
 <error>
}
>>


LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break;}; separator="\n">
default:
 break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
 <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>


LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
 <alts; separator="\n">
 setState(<choice.loopBackStateNumber>);
 _errHandler.sync(this);
 <iteration>
}
>>


LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
<preamble; separator="\n">
do {
 <alts; separator="\n">
 setState(<choice.stateNumber>); <! loopback/exit decision !>
 _errHandler.sync(this);
 <iteration>
} while ( <loopExpr> );
>>


// LL(*) stuff


AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i>:
 <alt>
 break;}; separator="\n">
}
```

```
>>

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n">
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
 if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
  <iteration>
  <alts> <! should only be one !>
 }
 setState(<choice.loopBackStateNumber>);
 _errHandler.sync(this);
 _alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
 switch (_alt) {
 <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n">
 default:
  <error>
 }
 setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
 _errHandler.sync(this);
 _alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s) ::= "sync(<s.expecting.name>);"
```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1L \<\< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>
);
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }>_input.LT(1);<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
 <if(m.labels)><m.labels:{l | <labelref(l)> = (Token)}><endif>_errHandler.recoverInline(this);
}
else {
 if (_input.LA(1)==Token.EOF) matchedEOF = true;
 _errHandler.reportMatch(this);
 consume();
}
>>

Wildcard(w) ::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
 <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

```
LexerTypeCommand(arg, grammar)      ::= "_type = <arg>;"
LexerChannelCommand(arg, grammar)   ::= "_channel = <arg>;"
LexerModeCommand(arg, grammar)      ::= "_mode = <arg>;"
LexerPushModeCommand(arg, grammar)  ::= "pushMode(<arg>);"


ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValueRef(a) ::= "_localctx.<a.name>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>;"


TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"


TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText()):0)"


RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.start):null)"
RulePropertyRef_stop(r)  ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_text(r)  ::=
"(<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r)   ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"


ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r)  ::= "_localctx.stop"
ThisRulePropertyRef_text(r)  ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r)   ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"


NonLocalAttrRef(s)   ::= "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>"
SetNonLocalAttr(s, rhsChunks)   ::=
 "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name> = <rhsChunks>;"


AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"


TokenDecl(t) ::= "<TokenLabelType()> <t.name>"
```

TokenTypeDecl(t) ::= "int <t.name>;"
TokenListDecl(t) ::= "List\<Token> <t.name> = new ArrayList\<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List\<<rdecl.ctxName>> <rdecl.name> = new ArrayList\<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t)   ::=
   "public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
   "public List\<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
 return getToken(<parser.name>.<t.name>, i);
}
>>
ContextRuleGetterDecl(r)   ::= <<
public <r.ctxName> <r.name>() {
 return getRuleContext(<r.ctxName>.class,0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
public List\<<r.ctxName>\> <r.name>() {
 return getRuleContexts(<r.ctxName>.class);
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.name>(int i) {
 return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName)   ::= "<ruleName>"
ImplicitSetLabel(id)   ::= "_tset<id>"
ListLabelName(label)   ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers)
 ::= <<
public static class <struct.name> extends

```
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
 <attrs:{a | public <a>;}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) { super(parent, invokingState);
}<endif>
 public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>) {
  super(parent, invokingState);
  <struct.ctorAttrs:{a | this.<a.name> = <a.name>;}; separator="\n">
 }
 @Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 public <struct.name>() { }
 public void copyFrom(<struct.name> ctx) {
  super.copyFrom(ctx);
  <struct.attrs:{a | this.<a.name> = ctx.<a.name>;}; separator="\n">
 }
<endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">
}
>>


AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public static class <struct.name> extends <currentRule.name; format="cap">Context {
 <attrs:{a | public <a>;}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 public <struct.name>(<currentRule.name; format="cap">Context ctx) { copyFrom(ctx); }
 <dispatchMethods; separator="\n">
}
>>


ListenerDispatchMethod(method) ::= <<
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
 if ( listener instanceof <parser.grammarName>Listener )
((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>


VisitorDispatchMethod(method) ::= <<
@Override
public \<T> T accept(ParseTreeVisitor\<? extends T> visitor) {
 if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor\<? extends
T>)visitor).visit<struct.derivedFromName; format="cap">(this);
 else return visitor.visitChildren(this);
}
```

```
>>

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>((<x.ctx.name>)_localctx).<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "((<actionChunk.ctx.name>)_localctx)"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken()              ::= "_ctx.stop = _input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = new <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
((<currentAltLabel; format="cap">Context)_localctx).<label>.add(_prevctx);
<else>
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = new <ctxName>Context(_localctx);
_ctx = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
```

```
if ( _parseListeners!=null ) triggerExitRuleEvent();
_prevctx = _localctx;
>>


LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
package <lexerFile.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.Lexer;
import org.antlr.v4.runtime.CharStream;
import org.antlr.v4.runtime.Token;
import org.antlr.v4.runtime.TokenStream;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.misc.*;

<lexer>
>>


Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <lexer.name> extends <superClass; null="Lexer"> {
 static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

 protected static final DFA[] _decisionToDFA;
 protected static final PredictionContextCache _sharedContextCache =
  new PredictionContextCache();
 <if(lexer.tokens)>
 public static final int
  <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
 <endif>
 <if(lexer.channels)>
 public static final int
  <lexer.channels:{c | <c>=<lexer.channels.(c)>}; separator=", ", wrap, anchor>;
 <endif>
 <if(rest(lexer.modes))>
 public static final int
  <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
 <endif>
 public static String[] channelNames = {
  "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
 };
```

```
public static String[] modeNames = {
 <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
};

private static String[] makeRuleNames() {
 return new String[] {
  <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
 };
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

public <lexer.name>(CharStream input) {
 super(input);
 _interp = new LexerATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}

@Override
public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public String[] getChannelNames() { return channelNames; }

@Override
public String[] getModeNames() { return modeNames; }

@Override
public ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
private static final int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|private static final String _serializedATNSegment<i0> =
```

```
"<segment; wrap={"+<\n><\t>"}>";}; separator="\n">
public static final String _serializedATN = Utils.join(
 new String[] {
  <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
 },
 ""
);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
 "<model.serialized; wrap={"+<\n><\t>"}>";
<endif>
public static final ATN _ATN =
 new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
 _decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
 for (int i = 0; i \< _ATN.getNumberOfDecisions(); i++) {
  _decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
 }
<! org.antlr.v4.tool.DOTGenerator dot = new org.antlr.v4.tool.DOTGenerator(null);!>
<! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
<! System.out.println(dot.getDOT(_ATN.ruleToStartState[2], ruleNames, false));!>
}
>>


/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>


codeFileExtension() ::= ".java"
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg
No license file was found, but licenses were detected in source scan.

```
/*
 * [The "BSD license"]
 *  Copyright (c) 2012-2016 Terence Parr
 *  Copyright (c) 2012-2016 Sam Harwell
 *  All rights reserved.
 *
 *  Redistribution and use in source and binary forms, with or without
 *  modification, are permitted provided that the following conditions
 *  are met:
```

```
phpTypeInitMap ::= [
 "int":"0",
 "long":"0",
 "float":"0.0",
 "double":"0.0",
 "boolean":"false",
 default:"null"
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;

/**
* This interface defines a complete listener for a parse tree produced by
* {@see <file.parserName>}.
```

```
*/
interface <file.grammarName>Listener extends ParseTreeListener {
 <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
* Enter a parse tree produced by the `<lname>`
* labeled alternative in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()\}.
<else>
* Enter a parse tree produced by {@see <file.parserName>::<lname>()\}.
<endif>
* @param $context The parse tree.
*/
public function enter<lname; format="cap">(Context\\<lname; format="cap">Context $context) : void;
/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the `<lname>` labeled alternative
* in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()\}.
<else>
* Exit a parse tree produced by {@see <file.parserName>::<lname>()\}.
<endif>
* @param $context The parse tree.
*/
public function exit<lname; format="cap">(Context\\<lname; format="cap">Context $context) : void;};
separator="\n">
}
>>


BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>

use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
use Antlr\\Antlr4\\Runtime\\Tree\\ErrorNode;
use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;

/**
* This class provides an empty implementation of {@see <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/
class <file.grammarName>BaseListener implements <file.grammarName>Listener
{
 <file.listenerNames:{lname |
/**
* {@inheritdoc\}
```

```
*
* The default implementation does nothing.
*/
public function enter<lname; format="cap">(Context\\<lname; format="cap">Context $context) : void {\}


/**
* {@inheritdoc\}
*
* The default implementation does nothing.
*/
public function exit<lname; format="cap">(Context\\<lname; format="cap">Context $context) : void {\}};
separator="\n">

 /**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
 public function enterEveryRule(ParserRuleContext $context) : void {}


 /**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
 public function exitEveryRule(ParserRuleContext $context) : void {}


 /**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
 public function visitTerminal(TerminalNode $node) : void {}


 /**
 * {@inheritdoc\}
 *
 * The default implementation does nothing.
 */
 public function visitErrorNode(ErrorNode $node) : void {}
}
>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
```

```
<header>
use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced by {@see <file.parserName>}.
 */
interface <file.grammarName>Visitor extends ParseTreeVisitor
{
 <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the `<lname>` labeled alternative
 * in {@see <file.parserName>::<file.visitorLabelRuleNames.(lname)>()\}.
<else>
 * Visit a parse tree produced by {@see <file.parserName>::<lname>()\}.
<endif>
 *
 * @param Context\\<lname; format="cap">Context $context The parse tree.
 *
 * @return mixed The visitor result.
 */
public function visit<lname; format="cap">(Context\\<lname; format="cap">Context $context);};
separator="\n\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\\Antlr4\\Runtime\\Tree\\AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of {@see <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
 <file.visitorNames:{lname |
/**
 * {@inheritdoc\}
 *
 * The default implementation returns the result of calling
 * {@see self::visitChildren()\} on `context`.
```

```
*/
public function visit<lname; format="cap">(Context\\<lname; format="cap">Context $context)
{
    return $this->visitChildren($context);
\}}; separator="\n\n">
}
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

/*
 * Generated from <grammarFileName> by ANTLR <ANTLRVersion>
 */


>>
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>


Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
 use Antlr\\Antlr4\\Runtime\\Atn\\ATN;
 use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
 use Antlr\\Antlr4\\Runtime\\Atn\\ParserATNSimulator;
 use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\FailedPredicateException;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\NoViableAltException;
 use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\RecognitionException;
 use Antlr\\Antlr4\\Runtime\\RuleContext;
 use Antlr\\Antlr4\\Runtime\\Token;
 use Antlr\\Antlr4\\Runtime\\TokenStream;
 use Antlr\\Antlr4\\Runtime\\Vocabulary;
 use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
 use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
 use Antlr\\Antlr4\\Runtime\\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

 final class <parser.name> extends <superClass; null="Parser">
 {
 <if(parser.tokens)>
 public const <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>;
 <endif>

 public const <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
```

```
/**
 * @var array\<string>
 */
public const RULE_NAMES = [
 <parser.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(parser.literalNames, parser.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

<namedActions.members>
<endif>


<parser:(ctor)()>

private static function initialize() : void
{
 if (self::$atn !== null) {
  return;
 }

 RuntimeMetaData::checkVersion('<file.ANTLRVersion>', RuntimeMetaData::VERSION);

 $atn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

 $decisionToDFA = [];
 for ($i = 0, $count = $atn->getNumberOfDecisions(); $i \< $count; $i++) {
  $decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
 }

 self::$atn = $atn;
 self::$decisionToDFA = $decisionToDFA;
 self::$sharedContextCache = new PredictionContextCache();
}

public function getGrammarFileName() : string
{
 return "<parser.grammarFileName>";
}

public function getRuleNames() : array
{
```

```php
 return self::RULE_NAMES;
 }

 public function getSerializedATN() : string
 {
 return self::SERIALIZED_ATN;
 }

 public function getATN() : ATN
 {
 return self::$atn;
 }

 public function getVocabulary() : Vocabulary
    {
       static $vocabulary;

 return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
    }
<if(funcs)>

 <funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

 public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
 {
 switch ($ruleIndex) {
 <parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

  default:
   return true;
  }
 }

 <sempredFuncs.values; separator="\n\n">
<endif>
 }
 }

namespace <if(file.genPackage)><file.genPackage>\\<endif>Context {
 use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
 use Antlr\\Antlr4\\Runtime\\Token;
 use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;
 use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;
 use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;
```

```
use <if(file.genPackage)><file.genPackage>\\<endif><parser.name>;
<if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Visitor;<endif>
<if (file.genListener)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Listener;<endif>
<namedActions.contexts>

<funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

<func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>}; separator="\n\n"><endif> }; separator="\n\n">
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
/**
* @var array\<string|null>
*/
private const LITERAL_NAMES = [
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];

/**
* @var array\<string>
*/
private const SYMBOLIC_NAMES = [
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex) : void
{
 switch ($ruleIndex) {
 <recog.actionFuncs.values:{f|
 case <f.ruleIndex>:
  $this->action<f.name; format="cap">($localContext, $actionIndex);
  break;}; separator="\n\n">
 }
}

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
 switch ($ruleIndex) {
 <recog.sempredFuncs.values:{f|
```

```
    case <f.ruleIndex>:
        return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
  }

 return true;
 }
<sempredFuncs.values; separator="\n\n">
<endif>
>>


parser_ctor(p) ::= <<
public function __construct(TokenStream $input)
{
 parent::__construct($input);

 self::initialize();

 $this->interp = new ParserATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
 }
>>


/**
 * This generates a private method since the actionIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex) : void
{
 switch ($actionIndex) {
<actions:{index|
 case <index>:
<actions.(index)>

 break;}; separator="\n\n">
 }
 }
>>


/**
 * This generates a private method since the predicateIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(?Context\\<r.ctxType> $localContext, int $predicateIndex) : bool
{
 switch ($predicateIndex) {
<actions:{index|
  case <index>:
```

```
      return <actions.(index)>;}; separator="\n\n">
 }

 return true;
 }
 >>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
::= <<
/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=",">) : Context\\<currentRule.ctxType>
{
   $localContext = new Context\\<currentRule.ctxType>($this->ctx, $this->getState()<currentRule.args:{a | ,
$<a.name>}>);

   $this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
   <namedActions.init>
   <locals; separator="\n">

   try {
      <code>
      <postamble; separator="\n">
      <namedActions.after>
   }<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
      $localContext->exception = $exception;
      $this->errorHandler->reportError($this, $exception);
      $this->errorHandler->recover($this, $exception);
   }<endif> finally {
      <finallyAction>
      $this->exitRule();
   }

   return $localContext;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamb
le) ::= <<
/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">) : Context\\<currentRule.ctxType>
{
 return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
```

```
}

/**
 * @throws RecognitionException
 */
private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>) :
Context\\<currentRule.ctxType>
{
 $parentContext = $this->ctx;
 $parentState = $this->getState();
 $localContext = new Context\\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args:{a | ,
<a.name>}>);
 $previousContext = $localContext;
 $startState = <currentRule.startState>;
 $this->enterRecursionRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>,
$precedence);
 <namedActions.init>
 <locals; separator="\n">

 try {
  <code>
  <postamble; separator="\n">
  <namedActions.after>
 } catch (RecognitionException $exception) {
  $localContext->exception = $exception;
  $this->errorHandler->reportError($this, $exception);
  $this->errorHandler->recover($this, $exception);
 } finally {
  <finallyAction>
  $this->unrollRecursionContexts($parentContext);
 }

 return $localContext;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

switch ($this->input->LA(1)) {
   <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n\n">

default:
<error>
}
>>

LL1OptionalBlock(choice, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

switch ($this->input->LA(1)) {
   <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n\n">

default:
break;
}
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<preamble; separator="\n">

if (<expr>) {
<alts; separator="\n">
}
>>

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
```

```
 $this->setState(<choice.loopBackStateNumber>);
 $this->errorHandler->sync($this);
 <iteration>
 }
 >>


 LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
 $this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
 $this->errorHandler->sync($this);

 <preamble; separator="\n">
 do {
 <alts; separator="\n">
 $this->setState(<choice.stateNumber>); <! loopback/exit decision !>
 $this->errorHandler->sync($this);
 <iteration>
 } while (<loopExpr>);
 >>


 // LL(*) stuff

 AltBlock(choice, preamble, alts, error) ::= <<
 $this->setState(<choice.stateNumber>);
 $this->errorHandler->sync($this);
 <if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
 <preamble; separator="\n">

 switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
 <alts:{alt |
 case <i>:
   <alt>
 break;}; separator="\n\n">
 }
 >>


 OptionalBlock(choice, alts, error) ::= <<
 $this->setState(<choice.stateNumber>);
 $this->errorHandler->sync($this);

 switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
 <alts:{alt |
   case <i><if(!choice.ast.greedy)>+1<endif>:
     <alt>
 break;}; separator="\n\n">
 }
 >>


 StarBlock(choice, alts, sync, iteration) ::= <<
```

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);

while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER) {
 if ($alt === 1<if(!choice.ast.greedy)>+1<endif>) {
  <iteration>
  <alts> <! should only be one !>
 }

 $this->setState(<choice.loopBackStateNumber>);
 $this->errorHandler->sync($this);

 $alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);

$alt = 1<if(!choice.ast.greedy)>+1<endif>;

do {
 switch ($alt) {
 <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n\n">
 default:
  <error>
 }

 $this->setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
 $this->errorHandler->sync($this);

 $alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
} while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException($this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
```

```
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) === 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftConst(ttype, bits.shift)>)}; separator=" | ">)) !== 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>($<shiftAmount> - <offset>)<else>$<shiftAmount><endif>
%>
offsetShiftConst(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(self::<shiftAmount> - <offset>)<else>self::<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | $<s.varName> === self::<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case self::<t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> = }><endif>$this-><if(r.ast.options.p)>recursive<r.name;
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif>
<argExprsChunks>);
>>

MatchToken(m) ::= <<
$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>$this->match(self::<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{l | <labelref(l)> = }>$this->input->LT(1);<endif>
<capture>

if (<if(invert)>$<m.varName> \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>$this->errorHandler->recoverInline($this);
} else {
 if ($this->input->LA(1) === Token::EOF) {
    $this->matchedEOF = true;
  }

 $this->errorHandler->reportMatch($this);
 $this->consume();
}
>>

Wildcard(w) ::= <<
$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>$this->matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if (!(<chunks>)) {
   throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>);
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
 <catchAction>
}
>>

// lexer actions are not associated with model objects

```
LexerSkipCommand()  ::= "$this->skip();"
LexerMoreCommand()  ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"


LexerTypeCommand(arg, grammar)      ::= "$this->type = <arg>;"
LexerChannelCommand(arg, grammar)   ::= "$this->channel = <arg>;"
LexerModeCommand(arg, grammar)      ::= "$this->mode = <arg>;"
LexerPushModeCommand(arg, grammar) ::= "$this->pushMode(<arg>);"


ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "$localContext-><a.name>"
LocalRef(a) ::= "$localContext-><a.name>"
RetValueRef(a) ::= "$localContext-><a.name>"
QRetValueRef(a) ::= "<ctx(a)>-><a.dict>-><a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>-><t.name>"
LabelRef(t) ::= "<ctx(t)>-><t.name>"
ListLabelRef(t) ::= "<ctx(t)>-><ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>-><s.name> = <rhsChunks>;"


TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"


TokenPropertyRef_text(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getText() : null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getType() : 0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getLine() : 0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getChannel() : 0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>-><t.label> !== null ? <ctx(t)>-><t.label>->getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>-><t.label> !== null ? (int) <ctx(t)>-><t.label>->getText() : 0)"


RulePropertyRef_start(r) ::= "(<ctx(r)>-><r.label> !== null ? (<ctx(r)>-><r.label>->start) : null)"
RulePropertyRef_stop(r)  ::= "(<ctx(r)>-><r.label> !== null ? (<ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_text(r)  ::= "(<ctx(r)>-><r.label> !== null ? $this->input->getTextByTokens(<ctx(r)>-><r.label>-
>start, <ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_ctx(r)  ::= "<ctx(r)>-><r.label>"
RulePropertyRef_parser(r)::= "\$this"


ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r)  ::= "$localContext->stop"
ThisRulePropertyRef_text(r)  ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"
ThisRulePropertyRef_ctx(r)  ::= "$localContext"
ThisRulePropertyRef_parser(r)::= "$this"


NonLocalAttrRef(s)      ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name> = <rhsChunks>;"
```

AddToLabelList(a) ::= "<ctx(a.label)>-><a.listName>[] = <labelref(a.label)>;"

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"
RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls)>
 <struct.tokenListDecls : {d | /**
* @var array\<Token>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls)>
<if(struct.tokenListDecls)>

<endif>
 <struct.tokenDecls : {d | /**
* @var <TokenLabelType()>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextDecls)>
<if(struct.tokenListDecls || struct.tokenDecls)>

<endif>
 <struct.ruleContextDecls : {d | /**
* @var <d.ctxName>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextListDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls)>

<endif>
 <struct.ruleContextListDecls : {d | /**
* @var array\<<d.ctxName>\>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.attributeDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
 <struct.attributeDecls : {d | /**

```
 * @var <d.type><if(!d.initValue)>|null<endif> $<d.name>
 */
public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>


>>


ContextTokenGetterDecl(t) ::= <<
public function <t.name>() : ?TerminalNode
{
   return $this->getToken(<parser.name>::<t.name>, 0);
}
>>


ContextTokenListGetterDecl(t)  ::= <<
>>


ContextTokenListIndexedGetterDecl(t)  ::= <<
/**
 * @return array\<TerminalNode>|TerminalNode|null
 */
public function <t.name>(?int $index = null)
{
 if ($index === null) {
  return $this->getTokens(<parser.name>::<t.name>);
 }

   return $this->getToken(<parser.name>::<t.name>, $index);
}
>>


ContextRuleGetterDecl(r)       ::= <<
public function <r.name>() : ?<r.ctxName>
{
 return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>


ContextRuleListGetterDecl(r)   ::= <<
>>


ContextRuleListIndexedGetterDecl(r)   ::= <<
/**
 * @return array\<<r.ctxName>\>|<r.ctxName>|null
 */
public function <r.name>(?int $index = null)
{
 if ($index === null) {
```

```
    return $this->getTypedRuleContexts(<r.ctxName>::class);
  }


    return $this->getTypedRuleContext(<r.ctxName>::class, $index);
  }
>>


LexerRuleContext() ::= "RuleContext"


/**
 * The rule context name is the rule followed by a suffix; e.g., r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"


ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName)   ::= "<ruleName>"
ImplicitSetLabel(id)    ::= "_tset<id>"
ListLabelName(label)    ::= "<label>"


CaptureNextToken(d) ::= "$<d.varName> = \$this->input->LT(1);"
CaptureNextTokenType(d) ::= "$<d.varName> = $this->input->LA(1);"


StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif>
{
<PropertiesDecl(struct)>
 public function __construct(?ParserRuleContext $parent, ?int $invokingState = null<ctorAttrs:{a | , ?<a> = null}>)
 {
  parent::__construct($parent, $invokingState);
<if(struct.ctorAttrs)>

  <struct.ctorAttrs:{a | $this-><a.name> = $<a.name> ?? $this-><a.name>;}; separator="\n">
<endif>
 }

 public function getRuleIndex() : int
 {
    return <parser.name>::RULE_<struct.derivedFromName>;
  }
<if(getters)>

  <getters:{g | <g>}; separator="\n\n">
<endif>
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 public function copyFrom(ParserRuleContext $context) : void
 {
```

```
   parent::copyFrom($context);

 <struct.attrs:{a | $this-><a.name> = $context-><a.name>;}; separator="\n">
 }
<endif>
<if(dispatchMethods)>

 <dispatchMethods; separator="\n\n">
<endif>
<if(extensionMembers)>

 <extensionMembers; separator="\n\n">
<endif>
}
>>


AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context
{
<PropertiesDecl(struct)>
 public function __construct(<struct.parentRule; format="cap">Context $context)
 {
    parent::__construct($context);

    $this->copyFrom($context);
  }
<if(getters)>

  <getters:{g | <g>}; separator="\n\n">
<endif>
<if(dispatchMethods)>

 <dispatchMethods; separator="\n\n">
<endif>
}
>>


ListenerDispatchMethod(method) ::= <<
public function <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener $listener) : void
{
 if ($listener instanceof <parser.grammarName>Listener) {
    $listener-><if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">($this);
  }
}
>>


VisitorDispatchMethod(method) ::= <<
public function accept(ParseTreeVisitor $visitor)
```

```
{
 if ($visitor instanceof <parser.grammarName>Visitor) {
    return $visitor->visit<struct.derivedFromName; format="cap">($this);
  }

 return $visitor->visitChildren($this);
}
>>

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>$localContext-><endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "$localContext"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "\$this->precpred(\$this->ctx, <opPrec>)"

recRuleSetReturnAction(src,name)   ::= "\$<name> = \$<src>-><name>;"

recRuleSetStopToken()               ::= "$this->ctx->stop = $this->input->LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
$localContext = new Context\\<ctxName>Context($parentContext, $parentState);
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
$localContext = new Context\\<currentAltLabel; format="cap">Context(new Context\\<ruleName;
format="cap">Context($parentContext, $parentState));
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
$localContext = new Context\\<ctxName>Context($localContext);
$this->ctx = $localContext;
$previousContext = $localContext;
>>


recRuleSetPrevCtx() ::= <<
if ($this->getParseListeners() !== null) {
   $this->triggerExitRuleEvent();
}

$previousContext = $localContext;
>>



LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<lexer>
>>


Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
namespace<if(lexerFile.genPackage)> <lexerFile.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
 use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
 use Antlr\\Antlr4\\Runtime\\Atn\\LexerATNSimulator;
 use Antlr\\Antlr4\\Runtime\\Lexer;
 use Antlr\\Antlr4\\Runtime\\CharStream;
 use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
 use Antlr\\Antlr4\\Runtime\\RuleContext;
 use Antlr\\Antlr4\\Runtime\\Atn\\ATN;
 use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
 use Antlr\\Antlr4\\Runtime\\Vocabulary;
 use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
 use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
<if(namedActions.definitions)><namedActions.definitions><endif>

 final class <lexer.name> extends <superClass; null="Lexer">
 {
 <if(lexer.tokens)>
 public const <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
 <endif>

 <if(lexer.channels)>
 public const <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
 <endif>

 <if(rest(lexer.modes))>
```

```
public const <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array\<string>
 */
public const CHANNEL_NAMES = [
 'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c| '<c>'}; separator=", ",
wrap, anchor><endif>
];

/**
 * @var array\<string>
 */
public const MODE_NAMES = [
 <lexer.modes:{m| '<m>'}; separator=", ", wrap, anchor>
];

/**
 * @var array\<string>
 */
public const RULE_NAMES = [
 <lexer.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

<namedActions.members>
<endif>

public function __construct(CharStream $input)
{
parent::__construct($input);

self::initialize();

$this->interp = new LexerATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}

private static function initialize() : void
{
if (self::$atn !== null) {
```

```php
 return;
 }

 RuntimeMetaData::checkVersion('<lexerFile.ANTLRVersion>', RuntimeMetaData::VERSION);

 $atn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

 $decisionToDFA = [];
 for ($i = 0, $count = $atn->getNumberOfDecisions(); $i \< $count; $i++) {
  $decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
 }

 self::$atn = $atn;
 self::$decisionToDFA = $decisionToDFA;
 self::$sharedContextCache = new PredictionContextCache();
 }

 public static function vocabulary() : Vocabulary
 {
 static $vocabulary;

 return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
 }

 public function getGrammarFileName() : string
 {
 return '<lexer.grammarFileName>';
 }

 public function getRuleNames() : array
 {
 return self::RULE_NAMES;
 }

 public function getSerializedATN() : string
 {
 return self::SERIALIZED_ATN;
 }

 /**
 * @return array\<string>
 */
 public function getChannelNames() : array
 {
 return self::CHANNEL_NAMES;
 }

 /**
```

```
 * @return array\<string>
 */
public function getModeNames() : array
{
return self::MODE_NAMES;
}

public function getATN() : ATN
{
return self::$atn;
}

public function getVocabulary() : Vocabulary
{
return self::vocabulary();
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
}
}
>>


SerializedATN(model) ::= <<
<if(rest(model.segments))>
/**
* @var string
*/
private const SERIALIZED_ATN =
 <model.segments:{segment| "<segment; wrap={" .<\n>"}>"}; separator=" .\n">;
<else>
/**
* @var string
*/
private const SERIALIZED_ATN =
 "<model.serialized; wrap={" .<\n>    "}>";
<endif>
>>


/**
* Using a type to init value map, try to init a type; if not in table
* must be an object, default value is `null`.
*/
initValue(typeName) ::= <<
<phpTypeInitMap.(typeName)>
>>


codeFileExtension() ::= ".php"


Found in path(s):
```

---

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.stg
No license file was found, but licenses were detected in source scan.

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* can be found in the LICENSE.txt file in the project root.
*/
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 */

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/GraphicsSupport.java
No license file was found, but licenses were detected in source scan.

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THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/*
This file contains the actual layout of the messages emitted by ANTLR.
The text itself is coming out of the languages/*stg files, according to the chosen locale.
This file contains the format that mimicks GCC output.
*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<text> [error <id>]"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg
No license file was found, but licenses were detected in source scan.

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 */
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Cpp/Files.stg
No license file was found, but licenses were detected in source scan.

```
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 */

/** Find left-recursive rules */
tree grammar LeftRecursiveRuleWalker;

options {
 tokenVocab=ANTLRParser;
   ASTLabelType=GrammarAST;
}

@header {
package org.antlr.v4.parse;

import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}

@members {
private String ruleName;
private int currentOuterAltNumber; // which outer alt of rule?
public int numAlts;  // how many alts for this rule total?

public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}

@rulecatch { }

// TODO: can get parser errors for not matching pattern; make them go away
public
rec_rule returns [boolean isLeftRec]
@init
{
currentOuterAltNumber = 1;
}
 : ^( r=RULE id=RULE_REF {ruleName=$id.getText();}
   ruleModifier?
```

```
//   (ARG_ACTION)? shouldn't allow args, right?
  (^(RETURNS a=ARG_ACTION {setReturnValues($a);}))?
//      ( ^(THROWS .+) )? don't allow
    ( ^(LOCALS ARG_ACTION) )? // TODO: copy these to gen'd code
    ( ^(OPTIONS .*)
    |  ^(AT ID ACTION) // TODO: copy
    )*
  ruleBlock {$isLeftRec = $ruleBlock.isLeftRec;}
  exceptionGroup
 )
;


exceptionGroup
  : exceptionHandler* finallyClause?
  ;


exceptionHandler
 : ^(CATCH ARG_ACTION ACTION)
 ;


finallyClause
 : ^(FINALLY ACTION)
 ;


ruleModifier
  : PUBLIC
  | PRIVATE
  | PROTECTED
  ;


ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
 : ^( BLOCK
  (
   o=outerAlternative
   {if ($o.isLeftRec) $isLeftRec = true;}
   {currentOuterAltNumber++;}
  )+
 )
;


/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
   :  (binary)=>        binary
                   {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
   | (prefix)=>         prefix
                   {prefixAlt((AltAST)$start, currentOuterAltNumber);}
   | (suffix)=>         suffix
```

```
                    {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
  | nonLeftRecur        {otherAlt((AltAST)$start,  currentOuterAltNumber);}
  ;


binary
 : ^( ALT elementOptions? recurse element* recurse epsilonElement* )
     {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
 ;


prefix
 : ^( ALT elementOptions?
   element+
   recurse epsilonElement*
   )
     {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
 ;


suffix
   :  ^( ALT elementOptions? recurse element+ )
     {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
   ;


nonLeftRecur
   :  ^(ALT elementOptions? element+)
   ;


recurse
 : ^(ASSIGN ID recurseNoLabel)
 | ^(PLUS_ASSIGN ID recurseNoLabel)
 | recurseNoLabel
 ;


recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;


token returns [GrammarAST t=null]
 : ^(ASSIGN ID s=token {$t = $s.t;})
 | ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
 | b=STRING_LITERAL        {$t = $b;}
   | ^(b=STRING_LITERAL elementOptions) {$t = $b;}
   | ^(c=TOKEN_REF elementOptions)   {$t = $c;}
 | c=TOKEN_REF          {$t = $c;}
 ;


elementOptions
   : ^(ELEMENT_OPTIONS elementOption*)
   ;

elementOption
```

```
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;

element
: atom
| ^(NOT element)
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;

epsilonElement
: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)
| ^(SEMPRED elementOptions)
;

setElement
: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;

ebnf:   block
| ^( OPTIONAL block )
| ^( CLOSURE block )
| ^( POSITIVE_CLOSURE block )
;

block
: ^(BLOCK ACTION? alternative+)
;

alternative
: ^(ALT elementOptions? element+)
;
```

```
atom
 : ^(RULE_REF ARG_ACTION? elementOptions?)
  | ^(STRING_LITERAL elementOptions)
 | STRING_LITERAL
  | ^(TOKEN_REF elementOptions)
 | TOKEN_REF
  | ^(WILDCARD elementOptions)
 | WILDCARD
 | ^(DOT ID element)
 ;
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g
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 */
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Cpp/Cpp.stg

No license file was found, but licenses were detected in source scan.

```
atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph ATN {
rankdir=LR;
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name>  {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
```

```
>>

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator="; ">}
>>

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
  label="
    <! rest(transition) tests for decision states: these nodes have a non-empty set of transitions after the first one. !>
    <if(rest(transitions))>
      {
      <! Label on the left side of the record node. !>
      <label>
      |
      <! Named ports in order on right side of record node, no display text. !>
      {<transitions:{t|\<p<i0>>}; separator="|">}}
    <else>
      <label>
    <endif>
    "
  <if(rest(transitions))>
    , shape=record, fixedsize=false
  <else>
    , shape=circle, fixedsize=true, width=.55
  <endif>
  , peripheries=1];
%>

stopstate(name,label,actionIndex,useBox) ::= <<
<name>[fontsize=11, label="<label><if(actionIndex)>,\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsize=false<else>shape=doublecircle, fixedsize=true,
width=.6<endif>];
```

>>

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/dot/graphs.stg
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/*
This file contains the actual layout of the messages emitted by ANTLR.
This file contains the default format ANTLR uses.
*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "(<id>) <text>"

report(location, message, type) ::= "<type>(<message.id>): <location> <message.text>"

wantsSingleLineMessage() ::= "false"

Found in path(s):

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg
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```
tree grammar ATNBuilder;
options {
 language    = Java;
 tokenVocab   = ANTLRParser;
 ASTLabelType = GrammarAST;
// filter      = true;
}

// Include the copyright in this source and also the generated source
@header {
/*
[The "BSD license"]
Copyright (c) 2010 Terence Parr
All rights reserved.
```

```
*/
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import org.antlr.v4.automata.ATNFactory;
}

@members {
  ATNFactory factory;
  public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
   this(input);
   this.factory = factory;
  }
}

dummy : block[null] ; // avoid error about no start rule

ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {
  List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
  int alt = 1;
  factory.setCurrentOuterAlt(alt);
}
  : ^(BLOCK
      (^(OPTIONS .*))?
      (  a=alternative
         {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
      )+
```

```
    )
  {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
 ;


block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
 : ^(BLOCK (^(OPTIONS .*))? (a=alternative {alts.add($a.p);})+)
  {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
 ;


alternative returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
 : ^(LEXER_ALT_ACTION a=alternative lexerCommands)
    {$p = factory.lexerAltCommands($a.p,$lexerCommands.p);}
 | ^(ALT elementOptions? EPSILON)     {$p = factory.epsilon($EPSILON);}
 |  ^(ALT elementOptions? (e=element {els.add($e.p);})+) {$p = factory.alt(els);}
 ;


lexerCommands returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
 : (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);})+
    {
    $p = factory.alt(cmds);
    }
 ;


lexerCommand returns [ATNFactory.Handle cmd]
 : ^(LEXER_ACTION_CALL ID lexerCommandExpr)
    {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
    {$cmd = factory.lexerCommand($ID);}
 ;


lexerCommandExpr
 : ID
 | INT
 ;


element returns [ATNFactory.Handle p]
 : labeledElement    {$p = $labeledElement.p;}
| atom       {$p = $atom.p;}
| subrule     {$p = $subrule.p;}
|  ACTION      {$p = factory.action((ActionAST)$ACTION);}
|  SEMPRED     {$p = factory.sempred((PredAST)$SEMPRED);}
|  ^(ACTION .)     {$p = factory.action((ActionAST)$ACTION);}
|  ^(SEMPRED .)    {$p = factory.sempred((PredAST)$SEMPRED);}
 | ^(NOT b=blockSet[true])  {$p = $b.p;}
 | LEXER_CHAR_SET    {$p = factory.charSetLiteral($start);}
```

```
    ;

astOperand returns [ATNFactory.Handle p]
 : atom     {$p = $atom.p;}
 | ^(NOT blockSet[true])  {$p = $blockSet.p;}
 ;

labeledElement returns [ATNFactory.Handle p]
 : ^(ASSIGN ID element)    {$p = factory.label($element.p);}
 | ^(PLUS_ASSIGN ID element)  {$p = factory.listLabel($element.p);}
 ;

subrule returns [ATNFactory.Handle p]
 : ^(OPTIONAL block[$start])  {$p = $block.p;}
 | ^(CLOSURE block[$start])  {$p = $block.p;}
 | ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
 | block[null]     {$p = $block.p;}
  ;

blockSet[boolean invert] returns [ATNFactory.Handle p]
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}
 : ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}
 ;

/** Don't combine with atom otherwise it will build spurious ATN nodes */
setElement
 : ^(STRING_LITERAL .)
 | ^(TOKEN_REF .)
 | STRING_LITERAL
 | TOKEN_REF
 | ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
  | LEXER_CHAR_SET
 ;

atom returns [ATNFactory.Handle p]
 : range    {$p = $range.p;}
 | ^(DOT ID terminal)  {$p = $terminal.p;}
 | ^(DOT ID ruleref)  {$p = $ruleref.p;}
  | ^(WILDCARD .)  {$p = factory.wildcard($start);}
  | WILDCARD    {$p = factory.wildcard($start);}
  | blockSet[false]  {$p = $blockSet.p;}
  | terminal   {$p = $terminal.p;}
  | ruleref    {$p = $ruleref.p;}
  ;

ruleref returns [ATNFactory.Handle p]
  : ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*))  {$p = factory.ruleRef($RULE_REF);}
  | ^(RULE_REF ARG_ACTION?)      {$p = factory.ruleRef($RULE_REF);}
```

```
  | RULE_REF          {$p = factory.ruleRef($RULE_REF);}
  ;

range returns [ATNFactory.Handle p]
  : ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
  ;

terminal returns [ATNFactory.Handle p]
  : ^(STRING_LITERAL .)  {$p = factory.stringLiteral((TerminalAST)$start);}
  | STRING_LITERAL    {$p = factory.stringLiteral((TerminalAST)$start);}
  | ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
  | ^(TOKEN_REF .)   {$p = factory.tokenRef((TerminalAST)$start);}
  | TOKEN_REF     {$p = factory.tokenRef((TerminalAST)$start);}
  ;

elementOptions
 : ^(ELEMENT_OPTIONS elementOption*)
 ;

elementOption
 : ID
 | ^(ASSIGN ID ID)
 | ^(ASSIGN ID STRING_LITERAL)
 | ^(ASSIGN ID ACTION)
 | ^(ASSIGN ID INT)
 ;
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ATNBuilder.g
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```
// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using System.Diagnostics;
using System.Collections.Generic;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using DFA = Antlr4.Runtime.Dfa.DFA;

<parser>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;
using IToken = Antlr4.Runtime.IToken;
```

```
/// \<summary>
/// This interface defines a complete listener for a parse tree produced by
/// \<see cref="<csIdentifier.(file.parserName)>"/>.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
 <file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;
```

```
/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener"/>,
/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
 <file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c>\<lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c>\<lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { \}}; separator="\n">

 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
 }
```

```
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<csIdentifier.(file.parserName)>"/>.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor\<Result> : IParseTreeVisitor\<Result> {
 <file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c>\<lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>


BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
```

```
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}"/>,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor\<Result> : AbstractParseTreeVisitor\<Result>,
I<file.grammarName>Visitor\<Result> {
 <file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result\}.VisitChildren(IRuleNode)"/>
/// on \<paramref name="context"/>.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { return VisitChildren(context); \}}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
//------------------------------------------------------------------------------
// \<auto-generated>
//     This code was generated by a tool.
//     ANTLR Version: <ANTLRVersion>
//
//     Changes to this file may cause incorrect behavior and will be lost if
//     the code is regenerated.
// \</auto-generated>
```

```
//------------------------------------------------------------------------------

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419


>>


Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>


Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(parser.name)> : <superClass; null="Parser"> {
 protected static DFA[] decisionToDFA;
 protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
 <if(parser.tokens)>
 public const int
  <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
 <endif>
 public const int
  <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
 public static readonly string[] ruleNames = {
  <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
 };

 <vocabulary(parser.literalNames, parser.symbolicNames)>

 public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

 public override string[] RuleNames { get { return ruleNames; } }

 public override string SerializedAtn { get { return new string(_serializedATN); } }

 static <csIdentifier.(parser.name)>() {
  decisionToDFA = new DFA[_ATN.NumberOfDecisions];
  for (int i = 0; i \< _ATN.NumberOfDecisions; i++) {
   decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
  }
```

```
  }

  <namedActions.members>
  <parser:(ctor)()>
  <funcs; separator="\n">

<if(sempredFuncs)>
 public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
  switch (ruleIndex) {
  <parser.sempredFuncs.values:{f|
case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
  }
  return true;
  }
  <sempredFuncs.values; separator="\n">
<endif>

  <atn>
  }
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
 <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
 <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
 get
 {
  return DefaultVocabulary;
 }
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex> : <f.name>_action(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, actionIndex); break;};
separator="\n">
 }
```

```
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
 switch (ruleIndex) {
 <recog.sempredFuncs.values:{f|
case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, predIndex);};
separator="\n">
 }
 return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>


parser_ctor(parser) ::= <<
 public <csIdentifier.(parser.name)>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

 public <csIdentifier.(parser.name)>(ITokenStream input, TextWriter output, TextWriter errorOutput)
 : base(input, output, errorOutput)
{
 Interpreter = new ParserATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}
>>


/* This generates a private method since the actionIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
 switch (actionIndex) {
 <actions:{index|
case <index>: <actions.(index)> break;}; separator="\n">
 }
}
>>


/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
 switch (predIndex) {
 <actions:{index|
case <index>: return <actions.(index)>;}; separator="\n">
 }
 return true;
```

```
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
 EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
 <namedActions.init>
 <locals; separator="\n">
 try {
<if(currentRule.hasLookaheadBlock)>
 int _alt;
<endif>
 <code>
 <postamble; separator="\n">
 <namedActions.after>
 }
 <if(exceptions)>
 <exceptions; separator="\n">
 <else>
 catch (RecognitionException re) {
 _localctx.exception = re;
 ErrorHandler.ReportError(this, re);
 ErrorHandler.Recover(this, re);
 }
 <endif>
 finally {
 <finallyAction>
 ExitRule();
 }
 return _localctx;
}
>>

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
```

```
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
 EnterLeftFactoredRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
 <namedActions.init>
 <locals; separator="\n">
 try {
<if(currentRule.hasLookaheadBlock)>
 int _alt;
<endif>
 <code>
 <postamble; separator="\n">
 <namedActions.after>
 }
 catch (RecognitionException re) {
 _localctx.exception = re;
 ErrorHandler.ReportError(this, re);
 ErrorHandler.Recover(this, re);
 }
 finally {
 <finallyAction>
 ExitRule();
 }
 return _localctx;
 }
>>


// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.
LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
 EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
 <namedActions.init>
 <locals; separator="\n">
 try {
<if(currentRule.hasLookaheadBlock)>
 int _alt;
<endif>
 <code>
 <postamble; separator="\n">
 <namedActions.after>
 }
```

```
catch (RecognitionException re) {
_localctx.exception = re;
ErrorHandler.ReportError(this, re);
ErrorHandler.Recover(this, re);
}
finally {
<finallyAction>
ExitRule();
}
return _localctx;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
return <csIdentifier.(currentRule.name)>(0<currentRule.args:{a | , <csIdentifier.(a.name)>}>);
}

private <currentRule.ctxType> <csIdentifier.(currentRule.name)>(int _p<args:{a | , <a>}>) {
ParserRuleContext _parentctx = Context;
int _parentState = State;
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
<currentRule.ctxType> _prevctx = _localctx;
int _startState = <currentRule.startState>;
EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch (RecognitionException re) {
_localctx.exception = re;
ErrorHandler.ReportError(this, re);
ErrorHandler.Recover(this, re);
```

```
 }
 finally {
  <finallyAction>
  UnrollRecursionContexts(_parentctx);
 }
 return _localctx;
}
>>


CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>


CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>


LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break;}; separator="\n">
default:
 <error>
}
>>


LL1OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break;}; separator="\n">
default:
 break;
}
```

```
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
if (<expr>) {
 <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
 <alts; separator="\n">
 State = <choice.loopBackStateNumber>;
 ErrorHandler.Sync(this);
 <iteration>
}
>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
<preamble; separator="\n">
do {
 <alts; separator="\n">
 State = <choice.stateNumber>;<! loopback/exit decision !>
 ErrorHandler.Sync(this);
 <iteration>
} while ( <loopExpr> );
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{alt |
case <i>:
 <alt>
 break;}; separator="\n">
```

```
}
>>


OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n">
}
>>


StarBlock(choice, alts, sync, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER ) {
 if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
  <iteration>
  <alts> <! should only be one !>
 }
 State = <choice.loopBackStateNumber>;
 ErrorHandler.Sync(this);
 _alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
}
>>


PlusBlock(choice, alts, error) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
 switch (_alt) {
 <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n">
 default:
  <error>
 }
 State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
 ErrorHandler.Sync(this);
 _alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
>>
```

Sync(s) ::= "Sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1L \<\< <offsetShift(tokenType.(ttype), bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<tokenType.(ttype)>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <tokenType.(t)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>; <if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><csIdentifier.(r.name)>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><arg
ExprsChunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>; <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
 <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
 ErrorHandler.ReportMatch(this);
   Consume();
}
>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
 <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand()  ::= "Skip();"
LexerMoreCommand()  ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar)     ::= "_type = <tokenType.(arg)>;"
LexerChannelCommand(arg, grammar)   ::= "_channel = <channelName.(arg)>;"
```

LexerModeCommand(arg, grammar)   ::= "_mode = <modeName.(arg)>;"
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
LocalRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
RetValueRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<csIdentifier.(a.name)>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<csIdentifier.(tokenType.(t.name))>"
LabelRef(t) ::= "<ctx(t)>.<csIdentifier.(t.name)>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(csIdentifier.(t.name))>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<csIdentifier.(s.name)> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={IToken}>"
InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t) ::=
"(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"(<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"(<ctx(t)>.<tokenType.(t.label)>!=null?int.Parse(<ctx(t)>.<tokenType.(t.label)>.Text):0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Start):null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_text(r) ::=
"(<ctx(r)>.<r.label>!=null?TokenStream.GetText(<ctx(r)>.<r.label>.Start,<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_ctx(r)   ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)>%>
SetNonLocalAttr(s, rhsChunks) ::=
 <%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)> =
<rhsChunks>;%>

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <csIdentifier.(tokenType.(t.name))>"
TokenTypeDecl(t) ::= "int <csIdentifier.(tokenType.(t.name))>;"
TokenListDecl(t) ::= "IList\<IToken> <csIdentifier.(tokenType.(t.name))> = new List\<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <csIdentifier.(r.name)>"
RuleContextListDecl(rdecl) ::= "IList\<<rdecl.ctxName>> <csIdentifier.(rdecl.name)> = new
List\<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t)   ::=
  "public ITerminalNode <csIdentifier.(tokenType.(t.name))>() { return
GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
public <contextGetterCollection("ITerminalNode")> <csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
 return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>
ContextRuleGetterDecl(r)   ::= <<
public <r.ctxName> <csIdentifier.(r.name)>() {
 return GetRuleContext\<<r.ctxName>\>(0);
}
>>
ContextRuleListGetterDecl(r)   ::= <<
public <contextGetterCollection({<r.ctxName>})> <csIdentifier.(r.name)>() {
 return GetRuleContexts\<<r.ctxName>\>();
}
>>
ContextRuleListIndexedGetterDecl(r)   ::= <<
public <r.ctxName> <csIdentifier.(r.name)>(int i) {
 return GetRuleContext\<<r.ctxName>\>(i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

```
ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"
ImplicitRuleLabel(ruleName)   ::= "_<ruleName>"
ImplicitSetLabel(id)     ::= "_tset<id>"
ListLabelName(label)    ::= "_<label>"


CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"


StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,
      superClass={ParserRuleContext}) ::= <<
public partial class <struct.name> :
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces;
separator=", "><endif> {
 <attrs:{a | public <a>;}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) : base(parent, invokingState) {
}<endif>
 public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>)
  : base(parent, invokingState)
 {
  <struct.ctorAttrs:{a | this.<csIdentifier.(a.name)> = <csIdentifier.(a.name)>;}; separator="\n">
 }
 public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 public <struct.name>() { }
 public virtual void CopyFrom(<struct.name> context) {
  base.CopyFrom(context);
  <struct.attrs:{a | this.<csIdentifier.(a.name)> = context.<csIdentifier.(a.name)>;}; separator="\n">
 }
<endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">
 }
>>


AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public partial class <struct.name> : <currentRule.name; format="cap">Context {
 <attrs:{a | public <a>;}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 public <struct.name>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
 <dispatchMethods; separator="\n">
 }
>>


ListenerDispatchMethod(method) ::= <<
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
 I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;
```

```
  if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName;
  format="cap">(this);
  }
>>


VisitorDispatchMethod(method) ::= <<
public override TResult Accept\<TResult>(IParseTreeVisitor\<TResult> visitor) {
  I<parser.grammarName>Visitor\<TResult> typedVisitor = visitor as I<parser.grammarName>Visitor\<TResult>;
  if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName; format="cap">(this);
  else return visitor.VisitChildren(this);
  }
>>


AttributeDecl(d) ::= "<d.type> <csIdentifier.(d.name)><if(d.initValue)> = <d.initValue><endif>"


/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)><typedContext(x.ctx)>.<endif><csIdentifier.(x.name)>"


/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"


// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx)<else>_localctx<endif>"


// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "Precpred(Context, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken()              ::= "Context.Stop = TokenStream.LT(-1);"


recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = new <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.Add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>


recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
<else>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>


recRuleReplaceContext(ctxName) ::= <<
_localctx = new <ctxName>Context(_localctx);
Context = _localctx;
_prevctx = _localctx;
>>


recRuleSetPrevCtx() ::= <<
if ( ParseListeners!=null )
 TriggerExitRuleEvent();
_prevctx = _localctx;
>>



LexerFile(file, lexer, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using DFA = Antlr4.Runtime.Dfa.DFA;

<lexer>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>


Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(lexer.name)> : <superClass; null="Lexer"> {
 protected static DFA[] decisionToDFA;
 protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
 public const int
  <lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
 <if(lexer.channels)>
```

```
public const int
 <lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.modes))>
public const int
 <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
 "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
};

public static string[] modeNames = {
 <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
};

public static readonly string[] ruleNames = {
 <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
};

<namedActions.members>

public <csIdentifier.(lexer.name)>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <csIdentifier.(lexer.name)>(ICharStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
 Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string[] ChannelNames { get { return channelNames; } }

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(lexer.name)>() {
 decisionToDFA = new DFA[_ATN.NumberOfDecisions];
 for (int i = 0; i \< _ATN.NumberOfDecisions; i++) {
  decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
 }
```

```
 }
 <dumpActions(lexer, "", actionFuncs, sempredFuncs)>
 <atn>
 }
 >>


 SerializedATN(model) ::= <<
 private static char[] _serializedATN = {
  <model.serialized; separator=", ", wrap>,
 };

 public static readonly ATN _ATN =
  new ATNDeserializer().Deserialize(_serializedATN);



 >>

 initValue(typeName) ::= <<
 default(<typeName>)
 >>

 codeFileExtension() ::= ".cs"

 modeName ::= [
  "DEFAULT_MODE" : "DefaultMode",
  default : key
 ]

 channelName ::= [
  "HIDDEN" : "Hidden",
  "DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",
  default : key
 ]

 tokenType ::= [
  "EOF" : "Eof",
  default : key
 ]

 csIdentifier ::= [
  "abstract" : "@abstract",
  "as" : "@as",
  "base" : "@base",
  "bool" : "@bool",
  "break" : "@break",
  "byte" : "@byte",
  "case" : "@case",
```

```
"catch" : "@catch",
"char" : "@char",
"checked" : "@checked",
"class" : "@class",
"const" : "@const",
"continue" : "@continue",
"decimal" : "@decimal",
"default" : "@default",
"delegate" : "@delegate",
"do" : "@do",
"double" : "@double",
"else" : "@else",
"enum" : "@enum",
"event" : "@event",
"explicit" : "@explicit",
"extern" : "@extern",
"false" : "@false",
"finally" : "@finally",
"fixed" : "@fixed",
"float" : "@float",
"for" : "@for",
"foreach" : "@foreach",
"goto" : "@goto",
"if" : "@if",
"implicit" : "@implicit",
"in" : "@in",
"int" : "@int",
"interface" : "@interface",
"internal" : "@internal",
"is" : "@is",
"lock" : "@lock",
"long" : "@long",
"namespace" : "@namespace",
"new" : "@new",
"null" : "@null",
"object" : "@object",
"operator" : "@operator",
"out" : "@out",
"override" : "@override",
"params" : "@params",
"private" : "@private",
"protected" : "@protected",
"public" : "@public",
"readonly" : "@readonly",
"ref" : "@ref",
"return" : "@return",
"sbyte" : "@sbyte",
"sealed" : "@sealed",
```

```
  "short" : "@short",
  "sizeof" : "@sizeof",
  "stackalloc" : "@stackalloc",
  "static" : "@static",
  "string" : "@string",
  "struct" : "@struct",
  "switch" : "@switch",
  "this" : "@this",
  "throw" : "@throw",
  "true" : "@true",
  "try" : "@try",
  "typeof" : "@typeof",
  "uint" : "@uint",
  "ulong" : "@ulong",
  "unchecked" : "@unchecked",
  "unsafe" : "@unsafe",
  "ushort" : "@ushort",
  "using" : "@using",
  "virtual" : "@virtual",
  "values" : "@values",
  "void" : "@void",
  "volatile" : "@volatile",
  "while" : "@while",
  default : key
]
```

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
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jar/org/antlr/v4/parse/GrammarTreeVisitor.java

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 */

lexer grammar ActionSplitter;

options { filter=true; }

@header {
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}

@members {
ActionSplitterListener delegate;

public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
```

```
    }

    /** force filtering (and return tokens). triggers all above actions. */
    public List<Token> getActionTokens() {
      List<Token> chunks = new ArrayList<Token>();
      Token t = nextToken();
      while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
      }
      return chunks;
    }

    private boolean isIDStartChar(int c) {
     return c == '_' || Character.isLetter(c);
    }
    }

// ignore comments right away

COMMENT
   :  '/*' ( options {greedy=false;} : . )* '*/' {delegate.text($text);}
   ;

LINE_COMMENT
   : '//' ~('\n'|'\r')* '\r'? '\n' {delegate.text($text);}
   ;

SET_NONLOCAL_ATTR
 : '$' x=ID '::' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
  {
  delegate.setNonLocalAttr($text, $x, $y, $expr);
  }
 ;

NONLOCAL_ATTR
 : '$' x=ID '::' y=ID {delegate.nonLocalAttr($text, $x, $y);}
 ;

QUALIFIED_ATTR
 : '$' x=ID '.' y=ID {input.LA(1)!='('}? {delegate.qualifiedAttr($text, $x, $y);}
 ;

SET_ATTR
 : '$' x=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
  {
  delegate.setAttr($text, $x, $expr);
  }
```

;

ATTR
 : '$' x=ID {delegate.attr($text, $x);}
 ;

// Anything else is just random text
TEXT
@init {StringBuilder buf = new StringBuilder();}
@after {delegate.text(buf.toString());}
 : (c=~('\\'| '$') {buf.append((char)$c);}
  | '\\$' {buf.append('$');}
  | '\\' c=~('$') {buf.append('\\').append((char)$c);}
  | {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$');}
)+
 ;

fragment
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
  ;

/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
fragment
ATTR_VALUE_EXPR
 : ~'=' (~';')*
 ;

fragment
WS : (' '|'\t'|'\n'|'\r')+
 ;

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ActionSplitter.g
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```
/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
 *
 * REQUIRED.
 */

pythonTypeInitMap ::= [
 "bool":"False",
 "int":"0",
 "float":"0.0",
 "str":"",
 default:"None" // anything other than a primitive type is an object
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from antlr4 import *
from io import StringIO
import sys
if sys.version_info[1] > 5:
 from typing import TextIO
else:
 from typing.io import TextIO

<namedActions.header>
<parser>
```

```
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

}; separator="\n">

del <file.parserName>
>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)
```

```
}; separator="\n">

del <file.parserName>
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | <t>}; null="\"\<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\"\<INVALID>\"", separator=", ", wrap, anchor> ]

    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>

    ruleNames =  [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType()>.EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)()>
```

```
    <namedActions.members>

    <funcs; separator="\n">


<if(sempredFuncs)>
    def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
        if self._predicates == None:
            self._predicates = dict()
<parser.sempredFuncs.values:{f |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n        ">
        pred = self._predicates.get(ruleIndex, None)
        if pred is None:
            raise Exception("No predicate with index:" + str(ruleIndex))
        else:
            return pred(localctx, predIndex)

    <sempredFuncs.values; separator="\n">
<endif>



>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
    if self._actions is None:
        actions = dict()
<recog.actionFuncs.values:{f|
        actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
        self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f|
        preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
```

```
        self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>
>>


parser_ctor(p) ::= <<
def __init__(self, input:TokenStream, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None


>>


/* This generates a private method since the actionIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>


/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx:<r.ctxType>, predIndex:int):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
```

```
<endif> }; separator="\n">

>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name><if(a.type)>:<a.type><endif>}>):

  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
  self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
  <namedActions.init>
  <locals; separator="\n">
  try:
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  <if(exceptions)>
  <exceptions; separator="\n">
  <else>
  except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
  <endif>
  finally:
    <finallyAction>
    self.exitRule()
  return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
 namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self, _p:int=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
  _parentctx = self._ctx
  _parentState = self.state
  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
  _prevctx = localctx
```

```
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    finally:
        <finallyAction>
        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\nel">
else:
    <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
```

```
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\nel">
else:
  pass
>>


LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
  <alts; separator="\n">

<!else if ( !(<followExpr>) ) <error>!>
>>


LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
  <alts; separator="\n">
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  <iteration>

>>


LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
  <alts; separator="\n">
  self.state = <choice.stateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  <iteration>
  if not (<loopExpr>):
    break

>>


// LL(*) stuff
```

```
AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">

>>


OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">

>>


StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>


PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">
```

```
      else:
         <error>
      self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
      self._errHandler.sync(self)
      _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)


>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})>) and ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
```

```
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l |    <labelref(l)> = }><else>    <endif>self._errHandler.recoverInline(self)
else:
  self._errHandler.reportMatch(self)
  self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
  from antlr4.error.Errors import FailedPredicateException
  raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>


// lexer actions are not associated with model objects


LexerSkipCommand()  ::= "skip()"
LexerMoreCommand()  ::= "more()"
LexerPopModeCommand() ::= "popMode()"


LexerTypeCommand(arg, grammar)     ::= "_type = <arg>"
LexerChannelCommand(arg, grammar)  ::= "_channel = <arg>"
LexerModeCommand(arg, grammar)     ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"


ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValueRef(a) ::= "localctx.<a.name>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"


TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"


TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type()"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if (<ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"


RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r)  ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r)  ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r)   ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"


ThisRulePropertyRef_start(r) ::= "localctx.start"
```

ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s)   ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t)   ::= <<
def <t.name>(self):
   return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
   return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i:int=None):
   if i is None:
      return self.getTokens(<parser.name>.<t.name>)
   else:
      return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r)   ::= <<
def <r.name>(self):
   return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

// should never be called
ContextRuleListGetterDecl(r)   ::= <<
def <r.name>_list(self):
   return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

```
ContextRuleListIndexedGetterDecl(r)   ::= <<
def <r.name>(self, i:int=None):
  if i is None:
     return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
  else:
     return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 *  r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName)   ::= "_<ruleName>"
ImplicitSetLabel(id)     ::= "_tset<id>"
ListLabelName(label)     ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):

  def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{a | ,
<a.name><if(a.type)>:<a.type><endif>=None}>):
     super().__init__(parent, invokingState)
     self.parser = parser
     <attrs:{a | <a>}; separator="\n">
     <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">

  <getters:{g | <g>}; separator="\n\n">

  def getRuleIndex(self):
     return <parser.name>.RULE_<struct.derivedFromName>

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
  def copyFrom(self, ctx:ParserRuleContext):
     super().copyFrom(ctx)
     <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">

<endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
```

```
>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):

   def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;
format="cap">Context
      super().__init__(parser)
      <attrs:{a | <a>}; separator="\n">
      self.copyFrom(ctx)

   <getters:{g | <g>}; separator="\n">

   <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
   if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">" ):
      listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
   if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
      return visitor.visit<struct.derivedFromName; format="cap">(self)
   else:
      return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>"
recRuleSetStopToken()             ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
```

```
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>


LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
from antlr4 import *
from io import StringIO
from typing.io import TextIO
import sys

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>
```

```
<endif>
<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

  atn = ATNDeserializer().deserialize(serializedATN())

  decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

<if(lexer.channels)>
  <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

<endif>
<if(rest(lexer.modes))>
  <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

<endif>
  <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>

  channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

  modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

  literalNames = [ "\<INVALID>",
      <lexer.literalNames:{t | <t>}; separator=", ", wrap, anchor> ]

  symbolicNames = [ "\<INVALID>",
      <lexer.symbolicNames:{t | <t>}; separator=", ", wrap, anchor> ]

  ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

  grammarFileName = "<lexer.grammarFileName>"

  def __init__(self, input=None, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

  <namedActions.members>

  <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>
```

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write("<model.serialized; wrap={")<\n>   buf.write("}>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ANTLRParser.g
No license file was found, but licenses were detected in source scan.

```
/*
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 */

/** ANTLR tool checks output templates are compatible with tool code generation.
 *  For now, a simple string match used on x.y of x.y.z scheme.
 *  Must match Tool.VERSION during load to templates.
 *
 *  REQUIRED.
 */

javascriptTypeInitMap ::= [
 "bool":"false",
 "int":"0",
 "float":"0.0",
 "str":"",
```

```
 default:"{}" // anything other than a primitive type is an object
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');
<if(file.genListener)>
var <file.grammarName>Listener = require('./<file.grammarName>Listener').<file.grammarName>Listener;
<endif>
<if(file.genVisitor)>
var <file.grammarName>Visitor = require('./<file.grammarName>Visitor').<file.grammarName>Visitor;
<endif>

<namedActions.header>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');

// This class defines a complete listener for a parse tree produced by <file.parserName>.
function <file.grammarName>Listener() {
 antlr4.tree.ParseTreeListener.call(this);
 return this;
}

<file.grammarName>Listener.prototype = Object.create(antlr4.tree.ParseTreeListener.prototype);
<file.grammarName>Listener.prototype.constructor = <file.grammarName>Listener;

<file.listenerNames:{lname |
// Enter a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Listener.prototype.enter<lname; format="cap"> = function(ctx) {
\};

// Exit a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Listener.prototype.exit<lname; format="cap"> = function(ctx) {
\};

}; separator="\n">

exports.<file.grammarName>Listener = <file.grammarName>Listener;
>>


VisitorFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');

// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

function <file.grammarName>Visitor() {
 antlr4.tree.ParseTreeVisitor.call(this);
 return this;
}

<file.grammarName>Visitor.prototype = Object.create(antlr4.tree.ParseTreeVisitor.prototype);
<file.grammarName>Visitor.prototype.constructor = <file.grammarName>Visitor;

<file.visitorNames:{lname |
// Visit a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Visitor.prototype.visit<lname; format="cap"> = function(ctx) {
 return this.visitChildren(ctx);
\};

}; separator="\n">

exports.<file.grammarName>Visitor = <file.grammarName>Visitor;
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
var <superClass> = require('./<superClass>').<superClass>;
<endif>

var grammarFileName = "<parser.grammarFileName; format="java-escape">";

<atn>

var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });

var sharedContextCache = new antlr4.PredictionContextCache();

var literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];

var symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
```

```
var ruleNames =  [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

function <parser.name> (input) {
 <superClass; null="antlr4.Parser">.call(this, input);
   this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
   this.ruleNames = ruleNames;
   this.literalNames = literalNames;
   this.symbolicNames = symbolicNames;
 <namedActions.members>
   return this;
}

<parser.name>.prototype = Object.create(<superClass; null="antlr4.Parser">.prototype);
<parser.name>.prototype.constructor = <parser.name>;

Object.defineProperty(<parser.name>.prototype, "atn", {
 get : function() {
  return atn;
 }
});

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>;}; separator="\n", wrap, anchor>

<funcs; separator="\n">

<if(sempredFuncs)>
<parser.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
 switch(ruleIndex) {
 <parser.sempredFuncs.values:{f | case <f.ruleIndex>:
  return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
     throw "No predicate with index:" + ruleIndex;
 }
};

<sempredFuncs.values; separator="\n">
<endif>

exports.<parser.name> = <parser.name>;

>>
```

```
dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action = function(localctx, ruleIndex, actionIndex) {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
 this.<f.name>_action(localctx, actionIndex);
 break;}; separator="\n">
 default:
  throw "No registered action for:" + ruleIndex;
 }
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
 switch (ruleIndex) {
  <recog.sempredFuncs.values:{f| case <f.ruleIndex>:
 return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
   default:
    throw "No registered predicate for:" + ruleIndex;
  }
};

<sempredFuncs.values; separator="\n">
<endif>
>>


/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
 switch (actionIndex) {
 <actions:{index|
case <index>:
 <actions.(index)>
 break;}; separator="\n">
 default:
  throw "No registered action for:" + actionIndex;
 }
};
>>

/* This generates a private method since the predIndex is generated, making an
```

```
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name><else><parser.name><endif>.prototype.<r.name>_sempred = function(localctx,
predIndex) {
 switch(predIndex) {
  <actions:{index| case <index>:
 return <actions.(index)>;}; separator="\n">
  default:
   throw "No predicate with index:" + predIndex;
 }
};

>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.name>.<currentRule.ctxType> = <currentRule.ctxType>;

<parser.name>.prototype.<currentRule.name> = function(<currentRule.args:{a | <a.name>}; separator=", ">) {

   var localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.name>}>);
   this.enterRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
   <namedActions.init>
   <locals; separator="\n">
   try {
      <code>
      <postamble; separator="\n">
      <namedActions.after>
   <if(exceptions)>
   <exceptions; separator="\n">
   <else>
   } catch (re) {
    if(re instanceof antlr4.error.RecognitionException) {
       localctx.exception = re;
       this._errHandler.reportError(this, re);
       this._errHandler.recover(this, re);
    } else {
     throw re;
    }
   }<endif> finally {
      <finallyAction>
```

```
        this.exitRule();
    }
    return localctx;
};


>>


LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
 namedActions,finallyAction,postamble) ::=
<<


<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">


<parser.name>.prototype.<currentRule.name> = function(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {
 if(_p===undefined) {
    _p = 0;
 }
  var _parentctx = this._ctx;
  var _parentState = this.state;
  var localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a | , <a.name>}>);
  var _prevctx = localctx;
  var _startState = <currentRule.startState>;
  this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  } catch( error) {
    if(error instanceof antlr4.error.RecognitionException) {
     localctx.exception = error;
     this._errHandler.reportError(this, error);
     this._errHandler.recover(this, error);
    } else {
     throw error;
    }
  } finally {
    <finallyAction>
    this.unrollRecursionContexts(_parentctx)
  }
  return localctx;
};


>>


CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
```

```
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
 <alt>
 break;}; separator="\n">
default:
 break;
}
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
if(<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
while(<loopExpr>) {
  <alts; separator="\n">
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  <iteration>
}
>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  this.state = <choice.stateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  <iteration>
} while(<loopExpr>);
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
<alts:{alt |
case <i>:
  <alt>
  break;
}; separator="\n">
}
>>

OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{alt |
if(la_===<i><if(!choice.ast.greedy)>+1<endif>) {
  <alt>
```

```
}; separator="\n} else ">
}
>>


StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
  if(_alt===1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}

>>


PlusBlock(choice, alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
 switch (_alt) {
 <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
 <alt>
 break;}; separator="\n">
 default:
  <error>
 }
 this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
 this._errHandler.sync(this);
 _alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );
>>


Sync(s) ::= "sync(<s.expecting.name>)"


ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"


TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>
```

```
// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x1f) == 0
>>


// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})>) && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) !== 0)
%>


isZero ::= [
"0":true,
default:false
]


offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>


offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>


// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>===<parser.name>.<ttype>}; separator=" || ">
%>


cases(ttypes) ::= <<
<ttypes:{t | case <parser.name>.<t>:}; separator="\n">
>>


InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>this.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>);
>>


MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this.match(<parser.name>.<m.name>);
>>


MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"


MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>this._input.LT(1);<endif>
<capture>
<if(invert)>if(<m.varName>\<=0 || <expr>)<else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this._errHandler.recoverInline(this);
}
else {
 this._errHandler.reportMatch(this);
  this.consume();
}
>>


Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>this.matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
}
>>


ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
 <catchAction>
}
>>


// lexer actions are not associated with model objects

LexerSkipCommand()  ::= "this.skip()"
LexerMoreCommand()  ::= "this.more()"
LexerPopModeCommand() ::= "this.popMode()"
LexerTypeCommand(arg, grammar)     ::= "this._type = <arg>"
LexerChannelCommand(arg, grammar)  ::= "this._channel = <arg>"
LexerModeCommand(arg, grammar)      ::= "this._mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>)"
```

```
ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValueRef(a) ::= "localctx.<a.name>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"


TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"


TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>===null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"


RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r)  ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r)  ::= "(<ctx(r)>.<r.label>===null ? null : this._input.getText(new
antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r)  ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r)  ::= "this"


ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r)  ::= "localctx.stop"
ThisRulePropertyRef_text(r)  ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r)  ::= "localctx"
ThisRulePropertyRef_parser(r)  ::= "this"


NonLocalAttrRef(s)     ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks)  ::= "getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"


AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"


TokenDecl(t) ::= "this.<t.name> = null; // <TokenLabelType()>"
TokenTypeDecl(t) ::= "var <t.name> = 0; // <TokenLabelType()> type"
TokenListDecl(t) ::= "this.<t.name> = []; // of <TokenLabelType()>s"
RuleContextDecl(r) ::= "this.<r.name> = null; // <r.ctxName>"
RuleContextListDecl(rdecl) ::= "this.<rdecl.name> = []; // of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t)      ::= <<
<t.name> = function() {
  return this.getToken(<parser.name>.<t.name>, 0);
};
>>

// should never be called
ContextTokenListGetterDecl(t)  ::= <<
def <t.name>_list(self):
  return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t)  ::= <<
<t.name> = function(i) {
 if(i===undefined) {
 i = null;
 }
  if(i===null) {
     return this.getTokens(<parser.name>.<t.name>);
  } else {
     return this.getToken(<parser.name>.<t.name>, i);
  }
};

>>

ContextRuleGetterDecl(r)       ::= <<
<r.name> = function() {
  return this.getTypedRuleContext(<r.ctxName>,0);
};
>>

// should never be called
ContextRuleListGetterDecl(r)   ::= <<
def <r.name>_list(self):
  return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

ContextRuleListIndexedGetterDecl(r)   ::= <<
<r.name> = function(i) {
  if(i===undefined) {
     i = null;
  }
  if(i===null) {
     return this.getTypedRuleContexts(<r.ctxName>);
  } else {
     return this.getTypedRuleContext(<r.ctxName>,i);
```

```
    }
};
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName)  ::= "_<ruleName>"
ImplicitSetLabel(id)    ::= "_tset<id>"
ListLabelName(label)    ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
function <struct.name>(parser, parent, invokingState<struct.ctorAttrs:{a | , <a.name>}>) {
 if(parent===undefined) {
    parent = null;
 }
 if(invokingState===undefined || invokingState===null) {
 invokingState = -1;
 }
 <if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.call(this, parent,
invokingState);
   this.parser = parser;
   this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;
   <attrs:{a | <a>}; separator="\n">
   <struct.ctorAttrs:{a | this.<a.name> = <a.name> || null;}; separator="\n">
   return this;
}

<struct.name>.prototype =
Object.create(<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.prototype);
<struct.name>.prototype.constructor = <struct.name>;

<getters:{g | <struct.name>.prototype.<g>}; separator="\n\n">

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
<struct.name>.prototype.copyFrom = function(ctx) {
<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif>.prototype.copyFrom.call(this,
ctx);
   <struct.attrs:{a | this.<a.name> = ctx.<a.name>;}; separator="\n">
};
```

```
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">


>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
function <struct.name>(parser, ctx) {
 <currentRule.name; format="cap">Context.call(this, parser);
  <attrs:{a | <a>;}; separator="\n">
  <currentRule.name; format="cap">Context.prototype.copyFrom.call(this, ctx);
  return this;
}

<struct.name>.prototype = Object.create(<currentRule.name; format="cap">Context.prototype);
<struct.name>.prototype.constructor = <struct.name>;

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.name>;

<getters:{g | <struct.name>.prototype.<g>}; separator="\n\n">
<dispatchMethods; separator="\n">


>>

ListenerDispatchMethod(method) ::= <<
<struct.name>.prototype.<if(method.isEnter)>enter<else>exit<endif>Rule = function(listener) {
  if(listener instanceof <parser.grammarName>Listener ) {
     listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
 }
};

>>

VisitorDispatchMethod(method) ::= <<
<struct.name>.prototype.accept = function(visitor) {
  if ( visitor instanceof <parser.grammarName>Visitor ) {
     return visitor.visit<struct.derivedFromName; format="cap">(this);
  } else {
     return visitor.visitChildren(this);
  }
};

>>

AttributeDecl(d) ::= "this.<d.name> = <if(d.initValue)><d.initValue><else>null<endif>"

/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec)  ::= "this.precpred(this._ctx, <opPrec>)"
recRuleSetReturnAction(src,name)   ::= "$<name>=$<src>.<name>"
recRuleSetStopToken()              ::= "this._ctx.stop = this._input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = new <ctxName>Context(this, _parentctx, _parentState);
<if(label)>localctx.<label> = _prevctx;<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = new <currentAltLabel; format="cap">Context(this, new <ruleName; format="cap">Context(this,
_parentctx, _parentState));
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>
localctx.<label> = _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!==null) {
   this.triggerExitRuleEvent();
}
_prevctx = localctx;
>>


LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
var antlr4 = require('antlr4/index');

<namedActions.header>
```

```
<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
var <superClass> = require('./<superClass>').<superClass>;
<endif>

<atn>

var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });

function <lexer.name>(input) {
 <if(superClass)><superClass><else>antlr4.Lexer<endif>.call(this, input);
   this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.PredictionContextCache());
 <namedActions.members>
   return this;
}

<lexer.name>.prototype = Object.create(<if(superClass)><superClass><else>antlr4.Lexer<endif>.prototype);
<lexer.name>.prototype.constructor = <lexer.name>;

Object.defineProperty(<lexer.name>.prototype, "atn", {
    get : function() {
        return atn;
    }
});

<lexer.name>.EOF = antlr4.Token.EOF;
<lexer.tokens:{k | <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>

<if(lexer.channels)>
<lexer.channels:{c| <lexer.name>.<c> = <lexer.channels.(c)>;}; separator="\n">

<endif>
<if(rest(lexer.modes))>
<rest(lexer.modes):{m| <lexer.name>.<m> = <i>;}; separator="\n">

<endif>
<lexer.name>.prototype.channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>,
<lexer.channels:{c| "<c>"}; separator=", ", wrap, anchor><endif> ];

<lexer.name>.prototype.modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ];
```

<lexer.name>.prototype.literalNames = [<lexer.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>];

<lexer.name>.prototype.symbolicNames = [<lexer.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>];

<lexer.name>.prototype.ruleNames = [<lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>];

<lexer.name>.prototype.grammarFileName = "<lexer.grammarFileName>";

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

exports.<lexer.name> = <lexer.name>;

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

var serializedATN = ["<model.serialized; wrap={",<\n>   "}>"].join("");

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javacriptTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".js"

Found in path(s):
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-
jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
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*/

/** templates used to generate make-compatible dependencies */

/** Generate "f : x, y, z" dependencies for input
* dependencies and generated files. in and out
* are File objects.  For example, you can say
* <f.canonicalPath>
*/
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>}; separator="\n">
>>
```

Found in path(s):

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/templates/depend.stg

1.29 apache-commons-lang 2.6

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1.30 snake-yaml 1.28

1.30.1 Available under license :

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Manifest-Version: 1.0

Automatic-Module-Name: org.yaml.snakeyaml

Bnd-LastModified: 1613973356620

Build-Jdk: 11.0.10

Built-By: alex13

Bundle-Description: YAML 1.1 parser and emitter for Java

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: SnakeYAML

Bundle-SymbolicName: org.yaml.snakeyaml

Bundle-Version: 1.28.0

Created-By: Apache Maven Bundle Plugin

Export-Package: org.yaml.snakeyaml;version="1.28",org.yaml.snakeyaml.c
omments;version="1.28",org.yaml.snakeyaml.composer;version="1.28",org
.yaml.snakeyaml.constructor;version="1.28",org.yaml.snakeyaml.emitter
;version="1.28",org.yaml.snakeyaml.env;version="1.28",org.yaml.snakey
aml.error;version="1.28",org.yaml.snakeyaml.events;version="1.28",org
.yaml.snakeyaml.extensions.compactnotation;version="1.28",org.yaml.sn
akeyaml.introspector;version="1.28",org.yaml.snakeyaml.nodes;version=
"1.28",org.yaml.snakeyaml.parser;version="1.28",org.yaml.snakeyaml.re
ader;version="1.28",org.yaml.snakeyaml.representer;version="1.28",org
.yaml.snakeyaml.resolver;version="1.28",org.yaml.snakeyaml.scanner;ve
rsion="1.28",org.yaml.snakeyaml.serializer;version="1.28",org.yaml.sn
akeyaml.tokens;version="1.28",org.yaml.snakeyaml.util;version="1.28"

Import-Package: org.yaml.snakeyaml;version="[1.28,2)",org.yaml.snakeya
ml.comments;version="[1.28,2)",org.yaml.snakeyaml.composer;version="[
1.28,2)",org.yaml.snakeyaml.emitter;version="[1.28,2)",org.yaml.snake
yaml.error;version="[1.28,2)",org.yaml.snakeyaml.events;version="[1.2
8,2)",org.yaml.snakeyaml.introspector;version="[1.28,2)",org.yaml.sna
keyaml.nodes;version="[1.28,2)",org.yaml.snakeyaml.parser;version="[1
.28,2)",org.yaml.snakeyaml.reader;version="[1.28,2)",org.yaml.snakeya
ml.resolver;version="[1.28,2)",org.yaml.snakeyaml.scanner;version="[1
.28,2)",org.yaml.snakeyaml.serializer;version="[1.28,2)",org.yaml.sna
keyaml.tokens;version="[1.28,2)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"

Tool: Bnd-3.5.0.201709291849

Found in path(s):
* /opt/cola/permits/1140969467_1614914255.95/0/snakeyaml-1-28-jar/META-INF/MANIFEST.MF
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INF/maven/org.yaml/snakeyaml/pom.xml

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/MemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/Annotation.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-
jar/javassist/bytecode/annotation/ShortMemberValue.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/MemberValueVisitor.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/SerialVersionUID.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/CodeAttribute.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/CannotCompileException.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Expr.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPool.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/LongVector.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-

jar/javassist/compiler/ast/FieldDecl.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/MethodDecl.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/CompileError.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/analysis/Subroutine.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/HotSwapper.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformNew.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/CastExpr.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Cast.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/MemberResolver.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/rmi/Proxy.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/web/Webserver.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/MemberCodeGen.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/LoaderClassPath.java

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jar/javassist/util/proxy/ProxyFactory.java

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/BadBytecode.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/ProxyObject.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/ByteArray.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformFieldAccess.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/expr/Handler.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/stackmap/TypeData.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/NotFoundException.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/InstructionPrinter.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/DoubleConst.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/util/proxy/SerializedProxy.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/AnnotationDefaultAttribute.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/StackMap.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ASTree.java

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewWrappedConstructor.java

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepository.java

* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/ClassPoolTail.java

1.32 jquery 3.5.1

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* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/MethodVisitor.java

* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ClassTooLargeException.java

* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/ClassVisitor.java

1.36 jetty-java-based-http-1-x-http-2-servlet-websocket-server 9.4.39.v20210325

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

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The following artifacts are licensed by the OW2 Foundation according to the
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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

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org.mortbay.jasper:apache-jsp
 org.apache.tomcat:tomcat-jasper
 org.apache.tomcat:tomcat-juli
 org.apache.tomcat:tomcat-jsp-api
 org.apache.tomcat:tomcat-el-api
 org.apache.tomcat:tomcat-jasper-el
 org.apache.tomcat:tomcat-api
 org.apache.tomcat:tomcat-util-scan
 org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
 org.apache.tomcat:tomcat-jasper-el
 org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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*/
// object is free to use the argument key to filter its
// for more details.
/**
* Sets metadata for `func`.
*
* **Note:** If this function becomes hot, i.e. is invoked a lot in a short
* period of time, it will trip its breaker and transition to an identity function
* to avoid garbage collection pauses in V8. See [V8 issue
2070](https://code.google.com/p/v8/issues/detail?id=2070)
* for more details.
*
* @private
* @param {Function} func The function to associate metadata with.
* @param {*} data The metadata.
* @returns {Function} Returns `func`.
*/
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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/AdminRequestHandler.java

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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/jetty9/QueuedThreadPoolFactory.java

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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/admin/tasks/ResetRequestsTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/admin/tasks/GetAllRequestsTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/admin/tasks/OldRemoveStubMappingTask.java

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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/trafficlistener/DoNothingWiremockNetworkTrafficListener.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/common/StreamSources.java

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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/global/RequestDelaySpec.java
* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/matching/MatchesJsonPathPattern.java
* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/matching/NamedValueMatcher.java
* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-

jar/com/github/tomakehurst/wiremock/client/CountMatchingStrategy.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/http/LogNormal.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/common/VeryShortIdGenerator.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/tasks/GetAllStubFilesTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/tasks/RemoveStubMappingTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/model/SingleServedStubResult.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/security/NotAuthorisedException.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/verification/diff/SectionDelimiter.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/stubbing/StubMappingJsonRecorder.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/recording/SnapshotStubMappingPostProcessor.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/tasks/FindNearMissesForRequestTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/tasks/OldCreateStubMappingTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/matching/AbstractRegexPattern.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/extension/responsetemplating/helpers/WireMockHelpers.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/client/HttpAdminClient.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/matching/StringValuePatternJsonSerializer.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/admin/tasks/OldResetRequestsTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/http/HttpResponder.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/verification/LoggedRequest.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/verification/diff/PlainTextDiffRenderer.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/matching/RegexPattern.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/client/BasicCredentials.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/http/Body.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/common/Exceptions.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-

jar/com/github/tomakehurst/wiremock/standalone/RemoteMappingsLoader.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/HttpServerFactory.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/standalone/JsonFileMappingsSource.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/recording/RequestBodyEqualToJsonPatternFactory.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/admin/GetAllScenariosTask.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/servlet/WireMockHttpServletRequestAdapter.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/matching/ValueMatcher.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/ContentTypeHeader.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/core/Options.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/recording/RequestBodyAutomaticPatternFactory.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/matching/EqualToXmlPattern.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/core/MappingsSaver.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/common/HttpClientUtils.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/verification/FindServeEventsResult.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/UniformDistribution.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/com/github/tomakehurst/wiremock/http/Request.java

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(function(){function e(){e.history=e.history||[],e.history.push(arguments),this.console&&console.log(Array.prototype.slice.call(arguments)[0])}!function(){var e=Handlebars.template,t=Handlebars.templates=Handlebars.templates||{};t.apikey_auth=e({1:function(e,t,n,r,i){var a;return'   '+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(null!=t?t:{},null!=t?t.value:t,{name:"sanitize",hash:{},data:i}))?a:"")+"\n"},3:function(e,t,n,r,i){return'   <input placeholder="api_key" class="auth_input input_apiKey_entry" name="apiKey" type="text"/>\n'},compiler:[7,">=4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'<div class="key_input_container">\n   <h3 class="auth__title">Api key authorization</h3>\n   <div class="auth__description">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+'</div>\n   <div>\n   <div class="key_auth__field">\n   name:\n   '+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+'\n   </div>\n   <div class="key_auth__field">\n   <span

class="key_auth__label">in:\n   '+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t["in"]:t,{name:"escape",hash:{},dat
a:i}))?a:"")+'\n   </div>\n   <div class="key_auth__field">\n   value:\n'+(null!=(a=n["if"].call(o,null!=t?t.isLogout:t,{name:"if",hash:{},fn:e.pro
gram(1,i,0),inverse:e.program(3,i,0),data:i}))?a:"")+"   </div>\n
</div>\n</div>\n"},useData:!0}),t.auth_button=e({compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){return"<a
class='authorize__btn'
href=\"#\">Authorize\n"},useData:!0}),t.auth_button_operation=e({1:function(e,t,n,r,i){return"
authorize__btn_operation_login\n"},3:function(e,t,n,r,i){return"
authorize__btn_operation_logout\n"},5:function(e,t,n,r,i){var a;return'   <ul class="authorize-
scopes">\n'+(null!=(a=n.each.call(null!=t?t:{},null!=t?t.scopes:t,{name:"each",hash:{},fn:e.program(6,i,0),inverse:e
.noop,data:i}))?a:"")+"   \n"},6:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'
<li class="authorize__scope"
title="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.description:t,{name:"escape",hash:{},data:i}))?a:"")+'"
>'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.scope:t,{name:"escape",hash:{},data:i}))?a:"")+" \n"},co
mpiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{};return'<div class="authorize__btn
authorize__btn_operation\n'+(null!=(a=n["if"].call(o,null!=t?t.isLogout:t,{name:"if",hash:{},fn:e.program(1,i,0),inv
erse:e.program(3,i,0),data:i}))?a:"")+'">\n'+(null!=(a=n["if"].call(o,null!=t?t.scopes:t,{name:"if",hash:{},fn:e.progra
m(5,i,0),inverse:e.noop,data:i}))?a:"")+"</div>\n"},useData:!0}),t.auth_view=e({1:function(e,t,n,r,i){return'
<button type="button" class="auth__button auth_submit__button" data-sw-
translate>Authorize</button>\n'},3:function(e,t,n,r,i){return'   <button type="button" class="auth__button
auth_logout__button" data-sw-translate>Logout</button>\n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var
a,o=null!=t?t:{};return'<div class="auth_container">\n\n   <div class="auth_inner"></div>\n   <div
class="auth_submit">\n'+(null!=(a=n.unless.call(o,null!=t?t.isLogout:t,{name:"unless",hash:{},fn:e.program(1,i,0),i
nverse:e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.isAuthorized:t,{name:"if",hash:{},fn:e.program(3,i,0
),inverse:e.noop,data:i}))?a:"")+"   </div>\n\n</div>\n"},useData:!0}),t.basic_auth=e({1:function(e,t,n,r,i){return" -
authorized"},3:function(e,t,n,r,i){var a;return'   '+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=t?t.usernam
e:t,{name:"escape",hash:{},data:i}))?a:"")+"\n"},5:function(e,t,n,r,i){return'   <input required
placeholder="username" class="basic_auth__username auth_input" name="username"
type="text"/>\n'},7:function(e,t,n,r,i){return'   <div class="auth_label">\n   password:\n   <input required placeholder="password"
class="basic_auth__password auth_input" name="password" type="password"/></label>\n
</div>\n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{};return"<div
class='basic_auth_container'>\n   <h3 class=\"auth__title\">Basic
authentication"+(null!=(a=n["if"].call(o,null!=t?t.isLogout:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.noop,d
ata:i}))?a:"")+'</h3>\n   <form class="basic_input_container">\n   <div
class="auth__description">'+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(o,null!=t?t.description:t,{na
me:"sanitize",hash:{},data:i}))?a:"")+'</div>\n   <div class="auth_label">\n   <span
class="basic_auth__label" data-sw-
translate>username:\n'+(null!=(a=n["if"].call(o,null!=t?t.isLogout:t,{name:"if",hash:{},fn:e.program(3,i,0),i
nverse:e.program(5,i,0),data:i}))?a:"")+"
</div>\n"+(null!=(a=n.unless.call(o,null!=t?t.isLogout:t,{name:"unless",hash:{},fn:e.program(7,i,0),inverse:e.noop,
data:i}))?a:"")+"   </form>\n</div>\n"},useData:!0}),t.content_type=e({1:function(e,t,n,r,i){var a;return
null!=(a=n.each.call(null!=t?t:{},null!=t?t.produces:t,{name:"each",hash:{},fn:e.program(2,i,0),inverse:e.noop,data:
i}))?a:""},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'\t<option
value="'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+'">'+(null!=(a=(n.s
anitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+"</option>\n"},4:function(e,t,n,r,i){return'

<option value="application/json">application/json</option>\n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return'<label data-sw-translate
for="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.contentTypeId:t,{name:"escape",hash:{},data:i}))?a:"")+
'">Response Content Type</label>\n<select name="contentType"
id="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.contentTypeId:t,{name:"escape",hash:{},data:i}))?a:"")+'
">\n'+(null!=(a=n["if"].call(o,null!=t?t.produces:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(4,i,0),d
ata:i}))?a:"")+"</select>\n"},useData:!0}),t.main=e({1:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return' <div
class="info_title">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=(a=null!=t?t.info:t)?a.title:a,{name:"sanitize"
,hash:{},data:i}))?a:"")+'</div>\n <div class="info_description
markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=(a=null!=t?t.info:t)?a.description:a,{name:"sanitiz
e",hash:{},data:i}))?a:"")+"</div>\n"+(null!=(a=n["if"].call(o,null!=t?t.externalDocs:t,{name:"if",hash:{},fn:e.progr
am(2,i,0),inverse:e.noop,data:i}))?a:"")+"
"+(null!=(a=n["if"].call(o,null!=(a=null!=t?t.info:t)?a.termsOfServiceUrl:a,{name:"if",hash:{},fn:e.program(4,i,0),in
verse:e.noop,data:i}))?a:"")+"\n
"+(null!=(a=n["if"].call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.contact:a)?a.name:a,{name:"if",hash:{},fn:e.program
(6,i,0),inverse:e.noop,data:i}))?a:"")+"\n
"+(null!=(a=n["if"].call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.contact:a)?a.url:a,{name:"if",hash:{},fn:e.program(8,
i,0),inverse:e.noop,data:i}))?a:"")+"\n
"+(null!=(a=n["if"].call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.contact:a)?a.email:a,{name:"if",hash:{},fn:e.program
(10,i,0),inverse:e.noop,data:i}))?a:"")+"\n
"+(null!=(a=n["if"].call(o,null!=(a=null!=t?t.info:t)?a.license:a,{name:"if",hash:{},fn:e.program(12,i,0),inverse:e.no
op,data:i}))?a:"")+"\n"},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"
<p>"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=(a=null!=t?t.externalDocs:t)?a.description:a,{name:"sanitiz
e",hash:{},data:i}))?a:"")+'</p>\n <a
href="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=t?t.externalDocs:t)?a.url:a,{name:"escape",hash:{
},data:i}))?a:"")+'"
target="_blank">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=t?t.externalDocs:t)?a.url:a,{name:"esc
ape",hash:{},data:i}))?a:"")+"\n"},4:function(e,t,n,r,i){var a;return'<div class="info_tos"><a target="_blank"
href="'+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=(a=null!=t?t.info:t)?a.termsOfSer
viceUrl:a,{name:"escape",hash:{},data:i}))?a:"")+'" data-sw-translate>Terms of
service</div>'},6:function(e,t,n,r,i){var a;return"<div><div class='info_name' style=\"display: inline\" data-sw-
translate>Created by </div>
"+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=(a=null!=(a=null!=t?t.info:t)?a.contact:
a)?a.name:a,{name:"escape",hash:{},data:i}))?a:"")+"</div>"},8:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return"<div class='info_url' data-sw-translate>See more at <a
href=\""+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.contact:a)?a.url:a,{name:"
escape",hash:{},data:i}))?a:"")+'">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=(a=null!=t?t.info:t)?a
.contact:a)?a.url:a,{name:"escape",hash:{},data:i}))?a:"")+"</div>"},10:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return'<div class=\'info_email\'><a target="_parent"
href="mailto:'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.contact:a)?a.email:a,
{name:"escape",hash:{},data:i}))?a:"")+"?subject="+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=t?t.i
nfo:t)?a.title:a,{name:"escape",hash:{},data:i}))?a:"")+'" data-sw-translate>Contact the
developer</div>'},12:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<div
class='info_license'><a target=\"_blank\"
href="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.license:a)?a.url:a,{name:"es
cape",hash:{},data:i}))?a:"")+'">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=(a=null!=(a=null!=t?t.info:t)?a.l
icense:a)?a.name:a,{name:"escape",hash:{},data:i}))?a:"")+"</div>"},14:function(e,t,n,r,i){var a;return' ,

api version:
'+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=(a=null!=t?t.info:t)?a.version:a,{name:"escape",hash:{},data:i}))?a:"")+"\n   "},16:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return' <img id="validator" src="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.validatorUrl:t,{name:"escape",hash:{},data:i}))?a:"")+"?url="+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.url:t,{name:"escape",hash:{},data:i}))?a:"")+">\n \n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{};return"<div class='info' id='api_info'>\n"+(null!=(a=n["if"].call(o,null!=t?t.info:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.noop,data:i}))?a:"")+"</div>\n<div class='container' id='resources_container'>\n <div class='authorize-wrapper'></div>\n\n<ul id='resources'> \n\n <div class=\"footer\">\n   <h4 style=\"color: #999\">[base url: "+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(o,null!=t?t.basePath:t,{name:"escape",hash:{},data:i}))?a:"")+"\n"+(null!=(a=n["if"].call(o,null!=(a=null!=t?t.info:t)?a.version:a,{name:"if",hash:{},fn:e.program(14,i,0),inverse:e.noop,data:i}))?a:"")+"]\n"+(null!=(a=n["if"].call(o,null!=t?t.validatorUrl:t,{name:"if",hash:{},fn:e.program(16,i,0),inverse:e.noop,data:i}))?a:"")+"   </h4>\n </div>\n</div>\n"},useData:!0}),t.oauth2=e({1:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'   \n   <input class="oauth-scope" type="checkbox" data-scope="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.scope:t,{name:"escape",hash:{},data:i}))?a:"")+'" oauthtype="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.OAuthSchemeKey:t,{name:"escape",hash:{},data:i}))?a:"")+'"/>\n <label>'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.scope:t,{name:"escape",hash:{},data:i}))?a:"")+'</label>
\n   '+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.description:t,{name:"escape",hash:{},data:i}))?a:"")+"\n"+(null!=(a=n["if"].call(o,null!=t?t.OAuthSchemeKey:t,{name:"if",hash:{},fn:e.program(2,i,0),inverse:e.noop,data:i}))?a:"")+"   \n   \n"},2:function(e,t,n,r,i){var a;return"("+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=t?t.OAuthSchemeKey:t,{name:"escape",hash:{},data:i}))?a:"")+")\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'<div>\n   <h3 class="auth__title">Select OAuth2.0 Scopes</h3>\n <p>'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+'</p>\n   <p>Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes.\n   Learn how to use\n   </p>\n <p> '+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.appName:t,{name:"escape",hash:{},data:i}))?a:"")+" API requires the following scopes. Select which ones you want to grant to Swagger UI.</p>\n <p>Authorization URL: "+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.authorizationUrl:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</p>\n   <p>flow: "+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.flow:t,{name:"escape",hash:{},data:i}))?a:"")+'</p>\n <ul class="api-popup-scopes">\n'+(null!=(a=n.each.call(o,null!=t?t.scopes:t,{name:"each",hash:{},fn:e.program(1,i,0),inverse:e.noop,data:i}))?a:"")+" \n</div>"},useData:!0}),t.operation=e({1:function(e,t,n,r,i){return"deprecated"},3:function(e,t,n,r,i){return"   <h4>Warning: Deprecated</h4>\n"},5:function(e,t,n,r,i){var a;return'<h4>Implementation Notes</h4>\n   <div class="markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(null!=t?t:{},null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</div>\n"},7:function(e,t,n,r,i){return"   <div class='authorize-

wrapper authorize-wrapper_operation'></div>\n"},9:function(e,t,n,r,i){var a,o=null!=t?t:{};return'   <div class="response-class">\n   <h4>Response Class (Status '+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(o,null!=t?t.successCode:t,{name:"escape",hash:{},data:i}))?a:"")+")</h4>\n "+(null!=(a=n["if"].call(o,null!=t?t.successDescription:t,{name:"if",hash:{},fn:e.program(10,i,0),inverse:e.noop,data:i}))?a:"")+'\n   <p><span class="model-signature" /></p>\n
\n   <div class="response-content-type" />\n   </div>\n'},10:function(e,t,n,r,i){var a;return'<div class="markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(null!=t?t:{},null!=t?t.successDescription:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</div>"},12:function(e,t,n,r,i){var a;return'   <h4 data-sw-translate>Headers</h4>\n   <table class="headers">\n   <thead>\n   <tr>\n   <th style="width: 100px; max-width: 100px" data-sw-translate>Header</th>\n   <th style="width: 310px; max-width: 310px" data-sw-translate>Description</th>\n   <th style="width: 200px; max-width: 200px" data-sw-translate>Type</th>\n   <th style="width: 320px; max-width: 320px" data-sw-translate>Other</th>\n   </tr>\n   </thead>\n   <tbody>\n'+(null!=(a=n.each.call(null!=t?t:{},null!=t?t.headers:t,{name:"each",hash:{},fn:e.program(13,i,0),inverse:e.noop,data:i}))?a:"")+"   </tbody>\n   </table>\n"},13:function(e,t,n,r,i){var a,o,s=null!=t?t:{},l=n.helperMissing;return"   <tr>\n   <td>"+e.escapeExpression((o=null!=(o=n.key||i&&i.key)?o:l,"function"==typeof o?o.call(s,{name:"key",hash:{},data:i}):o))+"</td>\n   <td>"+(null!=(a=(n.sanitize||t&&t.sanitize||l).call(s,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</td>\n   <td>"+(null!=(a=(n.escape||t&&t.escape||l).call(s,null!=t?t.type:t,{name:"escape",hash:{},data:i}))?a:"")+"</td>\n   <td>"+(null!=(a=(n.escape||t&&t.escape||l).call(s,null!=t?t.other:t,{name:"escape",hash:{},data:i}))?a:"")+"</td>\n   </tr>\n"},15:function(e,t,n,r,i){return'   <h4 data-sw-translate>Parameters</h4>\n   <table class=\'fullwidth parameters\'>\n   <thead>\n   <tr>\n   <th style="width: 100px; max-width: 100px" data-sw-translate>Parameter</th>\n   <th style="width: 310px; max-width: 310px" data-sw-translate>Value</th>\n   <th style="width: 200px; max-width: 200px" data-sw-translate>Description</th>\n   <th style="width: 100px; max-width: 100px" data-sw-translate>Parameter Type</th>\n   <th style="width: 220px; max-width: 230px" data-sw-translate>Data Type</th>\n   </tr>\n   </thead>\n   <tbody class="operation-params">\n\n   </tbody>\n   </table>\n'},17:function(e,t,n,r,i){return"   <div style=\'margin:0;padding:0;display:inline\'></div>\n   <h4 data-sw-translate>Response Messages</h4>\n   <table class='fullwidth response-messages'>\n   <thead>\n   <tr>\n   <th data-sw-translate>HTTP Status Code</th>\n   <th data-sw-translate>Reason</th>\n   <th data-sw-translate>Response Model</th>\n   <th data-sw-translate>Headers</th>\n   </tr>\n   </thead>\n   <tbody class=\"operation-status\">\n   </tbody>\n   </table>\n"},19:function(e,t,n,r,i){return""},21:function(e,t,n,r,i){return"   <div class='sandbox_header'>\n   <input class='submit' type='submit' value='Try it out!' data-sw-translate/>\n   Hide Response\n   \n   </div>\n"},23:function(e,t,n,r,i){return"   <h4 data-sw-translate>Request Headers</h4>\n   <div class='block request_headers'></div>\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing,l=e.escapeExpression;return" <ul class='operations' >\n   <li class='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.method:t,{name:"escape",hash:{},data:i}))?a:"")+" operation' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.parentId:t,{name:"escape",hash:{},data:i}))?a:"")+"_"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.nickname:t,{name:"escape",hash:{},data:i}))?a:"")+"'>\n   <div class='heading'>\n   <h3>\n   <span class='http_method'>\n   <a

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href='#!/"+l((n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.encodedParentId:t,{name:"sanitize",hash:{},data:i}))+"/"+l(
(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.nickname:t,{name:"sanitize",hash:{},data:i}))+'\'
class="toggleOperation">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.method:t,{name:"escape",hash:{},da
ta:i}))?a:"")+"</a>\n        </span>\n        <span class='path'>\n        <a
href='#!/"+l((n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.encodedParentId:t,{name:"sanitize",hash:{},data:i}))+"/"+l(
(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.nickname:t,{name:"sanitize",hash:{},data:i}))+"'
class=\"toggleOperation
"+(null!=(a=n["if"].call(o,null!=t?t.deprecated:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.noop,data:i}))?a:""
)+"'>'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.path:t,{name:"escape",hash:{},data:i}))?a:"")+"</a>\n
  </span>\n        </h3>\n        <ul class='options'>\n        <li>\n        <a
href='#!/"+l((n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.encodedParentId:t,{name:"sanitize",hash:{},data:i}))+"/"+l(
(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.nickname:t,{name:"sanitize",hash:{},data:i}))+'\'
class="toggleOperation"><span
class="markdown">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.summary:t,{name:"escape",hash:{},data:i
}))?a:"")+"</span></a>\n        </li>\n        </ul>\n        </div>\n        <div class='content'
id='"+l((n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.encodedParentId:t,{name:"sanitize",hash:{},data:i}))+"_"+l((n.s
anitize||t&&t.sanitize||s).call(o,null!=t?t.nickname:t,{name:"sanitize",hash:{},data:i}))+"_content'
style='display:none'>\n"+(null!=(a=n["if"].call(o,null!=t?t.deprecated:t,{name:"if",hash:{},fn:e.program(3,i,0),inver
se:e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.description:t,{name:"if",hash:{},fn:e.program(5,i,0),inver
se:e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.security:t,{name:"if",hash:{},fn:e.program(7,i,0),inverse:
e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.type:t,{name:"if",hash:{},fn:e.program(9,i,0),inverse:e.noop
,data:i}))?a:"")+"\n"+(null!=(a=n["if"].call(o,null!=t?t.headers:t,{name:"if",hash:{},fn:e.program(12,i,0),inverse:e.n
oop,data:i}))?a:"")+"\n        <form accept-charset='UTF-8' class='sandbox'>\n        <div
style='margin:0;padding:0;display:inline'></div>\n"+(null!=(a=n["if"].call(o,null!=t?t.parameters:t,{name:"if",hash:
{},fn:e.program(15,i,0),inverse:e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.responseMessages:t,{name:"
if",hash:{},fn:e.program(17,i,0),inverse:e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.isReadOnly:t,{name
:"if",hash:{},fn:e.program(19,i,0),inverse:e.program(21,i,0),data:i}))?a:"")+"        </form>\n        <div
class='response' style='display:none'>\n        <h4 class='curl'>Curl</h4>\n        <div class='block curl'></div>\n
   <h4 data-sw-translate>Request URL</h4>\n        <div class='block
request_url'></div>\n"+(null!=(a=n["if"].call(o,null!=t?t.showRequestHeaders:t,{name:"if",hash:{},fn:e.program(23
,i,0),inverse:e.noop,data:i}))?a:"")+"        <h4 data-sw-translate>Response Body</h4>\n        <div class='block
response_body'></div>\n        <h4 data-sw-translate>Response Code</h4>\n        <div class='block
response_code'></div>\n        <h4 data-sw-translate>Response Headers</h4>\n        <div class='block
response_headers'></div>\n        </div>\n        </div>\n        </li>\n
</ul>\n"},useData:!0}),t.param=e({1:function(e,t,n,r,i){var a;return
null!=(a=n["if"].call(null!=t?t:{},null!=t?t.isFile:t,{name:"if",hash:{},fn:e.program(2,i,0),inverse:e.program(4,i,0),da
ta:i}))?a:""},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'\t\t\t<input type="file"
name=\""+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"'
id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'\'/>\n\t\t
\t<div class="parameter-content-type" />\n'},4:function(e,t,n,r,i){var a;return
null!=(a=n["if"].call(null!=t?t:{},null!=t?t["default"]:t,{name:"if",hash:{},fn:e.program(5,i,0),inverse:e.program(7,i,
0),data:i}))?a:""},5:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"\t\t\t\t<div
class=\"editor_holder\"></div>\n\t\t\t\t<textarea class='body-textarea'
name='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"'
id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(n
ull!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t["default"]:t,{name:"escape",hash:{},data:i}))?a:"")+'</textarea>\n
   <br />\n        <div class="parameter-content-type" />\n'},7:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return"\t\t\t\t<textarea class='body-textarea'
```

name="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"'
id="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'\'></tex
tarea>\n\t\t\t\t<div class="editor_holder"></div>\n\t\t\t\t
\n\t\t\t\t<div class="parameter-content-type"
/>\n'},9:function(e,t,n,r,i){var a;return
null!=(a=n["if"].call(null!=t?t:{},null!=t?t.isFile:t,{name:"if",hash:{},fn:e.program(2,i,0),inverse:e.program(10,i,0),
data:i}))?a:""},10:function(e,t,n,r,i){var a;return
null!=(a=(n.renderTextParam||t&&t.renderTextParam||n.helperMissing).call(null!=t?t:{},t,{name:"renderTextParam
",hash:{},fn:e.program(11,i,0),inverse:e.noop,data:i}))?a:""},11:function(e,t,n,r,i){return""},compiler:[7,">=
4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<td class='code'><label
for="'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'">'+(n
ull!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"</label></td>\n<
td>\n\n"+(null!=(a=n["if"].call(o,null!=t?t.isBody:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(9,i,0),
data:i}))?a:"")+'\n</td>\n<td
class="markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},d
ata:i}))?a:"")+"</td>\n<td>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.paramType:t,{name:"escape",hash
:{},data:i}))?a:"")+'</td>\n<td>\n\t<span class="model-
signature">\n</td>\n'},useData:!0}),t.param_list=e({1:function(e,t,n,r,i){return"
required"},3:function(e,t,n,r,i){return' multiple="multiple"'},5:function(e,t,n,r,i){return" required
"},7:function(e,t,n,r,i){var a;return"   <option
"+(null!=(a=n.unless.call(null!=t?t:{},null!=t?t.hasDefault:t,{name:"unless",hash:{},fn:e.program(8,i,0),inverse:e.no
op,data:i}))?a:"")+" value=''></option>\n"},8:function(e,t,n,r,i){return' selected="" '},10:function(e,t,n,r,i){var
a,o=null!=t?t:{},s=n.helperMissing;return"\n   <option
"+(null!=(a=n["if"].call(o,null!=t?t.isDefault:t,{name:"if",hash:{},fn:e.program(11,i,0),inverse:e.noop,data:i}))?a:"")
+"
value='"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.value:t,{name:"sanitize",hash:{},data:i}))?a:"")+"'>
"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.value:t,{name:"sanitize",hash:{},data:i}))?a:"")+"
"+(null!=(a=n["if"].call(o,null!=t?t.isDefault:t,{name:"if",hash:{},fn:e.program(13,i,0),inverse:e.noop,data:i}))?a:"")
+" </option>\n\n"},11:function(e,t,n,r,i){return' selected="" '},13:function(e,t,n,r,i){return" (default)
"},15:function(e,t,n,r,i){return""},17:function(e,t,n,r,i){return""},compiler:[7,">=
4.0.0"],main:function(e,t,n,r,i){var a,o,s=null!=t?t:{},l=n.helperMissing;return"<td
class='code'"+(null!=(a=n["if"].call(s,null!=t?t.required:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.noop,data:
i}))?a:"")+"><label
for="'+(null!=(a=(n.escape||t&&t.escape||l).call(s,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'">'+(n
ull!=(a=(n.sanitize||t&&t.sanitize||l).call(s,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</label></td>\
n<td>\n <select
"+(null!=(a=(n.isArray||t&&t.isArray||l).call(s,t,{name:"isArray",hash:{},fn:e.program(3,i,0),inverse:e.noop,data:i})
)?a:"")+' class="parameter
'+(null!=(a=n["if"].call(s,null!=t?t.required:t,{name:"if",hash:{},fn:e.program(5,i,0),inverse:e.noop,data:i}))?a:"")+'"
name="'+(null!=(a=(n.sanitize||t&&t.sanitize||l).call(s,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+'"
id="'+(null!=(a=(n.escape||t&&t.escape||l).call(s,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'">\n\n'+
(null!=(a=n.unless.call(s,null!=t?t.required:t,{name:"unless",hash:{},fn:e.program(7,i,0),inverse:e.noop,data:i}))?a:"
")+"\n"+(null!=(a=n.each.call(s,null!=(a=null!=t?t.allowableValues:t)?a.descriptiveValues:a,{name:"each",hash:{},f
n:e.program(10,i,0),inverse:e.noop,data:i}))?a:"")+'\n </select>\n</td>\n<td
class="markdown">'+(null!=(a=n["if"].call(s,null!=t?t.required:t,{name:"if",hash:{},fn:e.program(15,i,0),inverse:e.
noop,data:i}))?a:"")+(null!=(o=null!=(o=n.description||(null!=t?t.description:t))?o:l,a="function"==typeof
o?o.call(s,{name:"description",hash:{},data:i}):o)?a:"")+(null!=(a=n["if"].call(s,null!=t?t.required:t,{name:"if",hash
:{},fn:e.program(17,i,0),inverse:e.noop,data:i}))?a:"")+"</td>\n<td>"+(null!=(a=(n.escape||t&&t.escape||l).call(s,nul
l!=t?t.paramType:t,{name:"escape",hash:{},data:i}))?a:"")+'</td>\n<td><span class="model-

signature"></td>\n'},useData:!0}),t.param_readonly=e({1:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"   <textarea class='body-textarea' readonly='readonly' name='"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t["default"]:t,{name:"sanitize",hash:{},data:i}))?a:"")+'</textarea>\n   <div class="parameter-content-type" />\n'},3:function(e,t,n,r,i){var a;return null!=(a=n["if"].call(null!=t?t:{},null!=t?t["default"]:t,{name:"if",hash:{},fn:e.program(4,i,0),inverse:e.program(6,i,0),data:i}))?a:""},4:function(e,t,n,r,i){var a;return" "+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(null!=t?t:{},null!=t?t["default"]:t,{name:"sanitize",hash:{},data:i}))?a:"")+"\n"},6:function(e,t,n,r,i){return"   (empty)\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<td class='code'><label for='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</label></td>\n<td>\n"+(null!=(a=n["if"].call(o,null!=t?t.isBody:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(3,i,0),data:i}))?a:"")+'</td>\n<td class="markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</td>\n<td>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.paramType:t,{name:"escape",hash:{},data:i}))?a:"")+'</td>\n<td></td>\n'},useData:!0}),t.param_readonly_required=e({1:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"   <textarea class='body-textarea' readonly='readonly' placeholder='(required)' name='"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t["default"]:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</textarea>\n"},3:function(e,t,n,r,i){var a;return null!=(a=n["if"].call(null!=t?t:{},null!=t?t["default"]:t,{name:"if",hash:{},fn:e.program(4,i,0),inverse:e.program(6,i,0),data:i}))?a:""},4:function(e,t,n,r,i){var a;return" "+(null!=(a=(n.sanitize||t&&t.sanitize||n.helperMissing).call(null!=t?t:{},null!=t?t["default"]:t,{name:"sanitize",hash:{},data:i}))?a:"")+"\n"},6:function(e,t,n,r,i){return" (empty)\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<td class='code required'><label for='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</label></td>\n<td>\n"+(null!=(a=n["if"].call(o,null!=t?t.isBody:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(3,i,0),data:i}))?a:"")+'</td>\n<td class="markdown">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"</td>\n<td>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.paramType:t,{name:"escape",hash:{},data:i}))?a:"")+'</td>\n<td></td>\n'},useData:!0}),t.param_required=e({1:function(e,t,n,r,i){var a;return null!=(a=n["if"].call(null!=t?t:{},null!=t?t.isFile:t,{name:"if",hash:{},fn:e.program(2,i,0),inverse:e.program(4,i,0),data:i}))?a:""},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'\t\t\t<input type="file" name=\"'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'/>\n"},4:function(e,t,n,r,i){var a;return null!=(a=n["if"].call(null!=t?t:{},null!=t?t["default"]:t,{name:"if",hash:{},fn:e.program(5,i,0),inverse:e.program(7,i,0),data:i}))?a:""},5:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'\t\t\t<div class=\"editor_holder\"></div>\n\t\t\t<textarea class=\'body-textarea required\' placeholder=\'(required)\' name=\''+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"'

id=\""+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t["default"]:t,{name:"sanitize",hash:{},data:i}))?a:"")+'</textarea>\n
\n   <div class="parameter-content-type" />\n'},7:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"\t\t\t<textarea class='body-textarea required' placeholder='(required)' name='"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+'\'></textarea>\n\t\t\t<div class="editor_holder"></div>\n\t\t\t
\n\t\t\t<div class="parameter-content-type" />\n'},9:function(e,t,n,r,i){var a;return null!=(a=n["if"].call(null!=t?t:{},null!=t?t.isFile:t,{name:"if",hash:{},fn:e.program(10,i,0),inverse:e.program(12,i,0),data:i}))?a:""},10:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"\t\t\t<input class='parameter' class='required' type='file' name='"+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+"' id='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'/>\n"},12:function(e,t,n,r,i){var a;return null!=(a=(n.renderTextParam||t&&t.renderTextParam||n.helperMissing).call(null!=t?t:{},t,{name:"renderTextParam",hash:{},fn:e.program(13,i,0),inverse:e.noop,data:i}))?a:""},13:function(e,t,n,r,i){return""},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<td class='code required'><label for='"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.valueId:t,{name:"escape",hash:{},data:i}))?a:"")+"'>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.name:t,{name:"escape",hash:{},data:i}))?a:"")+"</label></td>\n<td>\n"+(null!=(a=n["if"].call(o,null!=t?t.isBody:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(9,i,0),data:i}))?a:"")+'</td>\n<td>\n\t'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"\n</td>\n<td>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.paramType:t,{name:"escape",hash:{},data:i}))?a:"")+'</td>\n<td></td>\n'},useData:!0}),t.parameter_content_type=e({1:function(e,t,n,r,i){var a;return null!=(a=n.each.call(null!=t?t:{},null!=t?t.consumes:t,{name:"each",hash:{},fn:e.program(2,i,0),inverse:e.noop,data:i}))?a:""},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return' <option value="'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+'">'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+"</option>\n"},4:function(e,t,n,r,i){return' <option value="application/json">application/json</option>\n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o,s=null!=t?t:{},l=n.helperMissing;return'<label for="'+e.escapeExpression((o=null!=(o=n.parameterContentTypeId||(null!=t?t.parameterContentTypeId:t))?o:l,"function"==typeof o?o.call(s,{name:"parameterContentTypeId",hash:{},data:i}):o))+'" data-sw-translate>Parameter content type:</label>\n<select name="parameterContentType" id="'+(null!=(a=(n.sanitize||t&&t.sanitize||l).call(s,null!=t?t.parameterContentTypeId:t,{name:"sanitize",hash:{},data:i}))?a:"")+'">\n'+(null!=(a=n["if"].call(s,null!=t?t.consumes:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(4,i,0),data:i}))?a:"")+"</select>\n"},useData:!0}),t.popup=e({compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a;return'<div class="api-popup-dialog-wrapper">\n   <div class="api-popup-title">'+e.escapeExpression((a=null!=(a=n.title||(null!=t?t.title:t))?a:n.helperMissing,"function"==typeof a?a.call(null!=t?t:{},{name:"title",hash:{},data:i}):a))+'</div>\n   <div class="api-popup-content"></div>\n   <p class="error-msg"></p>\n   <div class="api-popup-actions">\n   <button class="api-popup-cancel api-button gray" type="button">Cancel</button>\n   </div>\n</div>\n<div class="api-popup-dialog-shadow"></div>'},useData:!0}),t.resource=e({1:function(e,t,n,r,i){return" : "},3:function(e,t,n,r,i){var a;return' \n   Raw\n   \n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o,s,l=null!=t?t:{},u=n.helperMissing,c="<div class='heading'>\n <h2>\n   <a href='#!/"+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+'\'

class="toggleEndpointList" data-
id="'+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+'">'+(null!
=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.name:t,{name:"sanitize",hash:{},data:i}))?a:"")+" ";return
o=null!=(o=n.summary||(null!=t?t.summary:t))?o:u,s={name:"summary",hash:{},fn:e.program(1,i,0),inverse:e.noop,
data:i},a="function"==typeof
o?o.call(l,s):o,n.summary||(a=n.blockHelperMissing.call(t,a,s)),null!=a&&(c+=a),c+(null!=(a=(n.sanitize||t&&t.sanit
ize||u).call(l,null!=t?t.summary:t,{name:"sanitize",hash:{},data:i}))?a:"")+"\n </h2>\n <ul class='options'>\n
\n   <a
href='#!/"+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+"'
id='endpointListTogger_"+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i
}))?a:"")+'\' class="toggleEndpointList" data-
id="'+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+'" data-sw-
translate>Show/Hide\n \n \n   <a href=\'#\' class="collapseResource" data-
id="'+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+'" data-sw-
translate>\n   List Operations\n   \n \n \n   <a href=\'#\' class="expandResource" data-
id="'+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+'" data-sw-
translate>\n   Expand Operations\n   \n
\n'+(null!=(a=n["if"].call(l,null!=t?t.url:t,{name:"if",hash:{},fn:e.program(3,i,0),inverse:e.noop,data:i}))?a:"")+
" \n</div>\n<ul class='endpoints'
id='"+(null!=(a=(n.sanitize||t&&t.sanitize||u).call(l,null!=t?t.id:t,{name:"sanitize",hash:{},data:i}))?a:"")+"_endpoint
_list' style='display:none'>\n\n
\n"},useData:!0}),t.response_content_type=e({1:function(e,t,n,r,i){var a;return
null!=(a=n.each.call(null!=t?t:{},null!=t?t.produces:t,{name:"each",hash:{},fn:e.program(2,i,0),inverse:e.noop,data:
i}))?a:""},2:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return'   <option
value="'+(null!=(a=(n.sanitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+'">'+(null!=(a=(n.s
anitize||t&&t.sanitize||s).call(o,t,{name:"sanitize",hash:{},data:i}))?a:"")+"</option>\n"},4:function(e,t,n,r,i){return'
<option value="application/json">application/json</option>\n'},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var
a,o,s=null!=t?t:{},l=n.helperMissing,u="function",c=e.escapeExpression;return'<label data-sw-translate
for="'+c((o=null!=(o=n.responseContentTypeId||(null!=t?t.responseContentTypeId:t))?o:l,typeof
o===u?o.call(s,{name:"responseContentTypeId",hash:{},data:i}):o))+'">Response Content Type</label>\n<select
name="responseContentType"
id="'+c((o=null!=(o=n.responseContentTypeId||(null!=t?t.responseContentTypeId:t))?o:l,typeof
o===u?o.call(s,{name:"responseContentTypeId",hash:{},data:i}):o))+'">\n'+(null!=(a=n["if"].call(s,null!=t?t.produc
es:t,{name:"if",hash:{},fn:e.program(1,i,0),inverse:e.program(4,i,0),data:i}))?a:"")+"</select>\n"},useData:!0}),t.sig
nature=e({1:function(e,t,n,r,i){var a,o=null!=t?t:{};return'\n<div>\n<ul class="signature-nav">\n <a
class="description-link" href="#" data-sw-translate>Model
\n <a class="snippet-link" href="#" data-
sw-translate>Example Value
\n
\n<div>\n\n<div class="signature-container">\n <div
class="description">\n
'+e.escapeExpression((n.sanitize||t&&t.sanitize||n.helperMissing).call(o,null!=t?t.signature:t,{name:"sanitize",hash:{
},data:i}))+'\n </div>\n\n <div
class="snippet">\n'+(null!=(a=n["if"].call(o,null!=t?t.sampleJSON:t,{name:"if",hash:{},fn:e.program(2,i,0),inverse:
e.noop,data:i}))?a:"")+(null!=(a=n["if"].call(o,null!=t?t.sampleXML:t,{name:"if",hash:{},fn:e.program(5,i,0),invers
e:e.noop,data:i}))?a:"")+" </div>\n</div>\n"},2:function(e,t,n,r,i){var a,o=null!=t?t:{};return'   <div
class="snippet_json">\n
<pre><code>'+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(o,null!=t?t.sampleJSON:t,{name:"escape",ha
sh:{},data:i}))?a:"")+"</code></pre>\n
"+(null!=(a=n["if"].call(o,null!=t?t.isParam:t,{name:"if",hash:{},fn:e.program(3,i,0),inverse:e.noop,data:i}))?a:"")+"
\n   </div>\n"},3:function(e,t,n,r,i){return'<small class="notice" data-sw-
translate></small>'},5:function(e,t,n,r,i){var a,o=null!=t?t:{};return'   <div class="snippet_xml">\n

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<pre><code>'+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(o,null!=t?t.sampleXML:t,{name:"escape",ha
sh:{},data:i}))?a:"")+"</code></pre>\n
"+(null!=(a=n["if"].call(o,null!=t?t.isParam:t,{name:"if",hash:{},fn:e.program(3,i,0),inverse:e.noop,data:i}))?a:"")+"
\n   </div>\n"},7:function(e,t,n,r,i){var a;return"
"+(null!=(a=(n.escape||t&&t.escape||n.helperMissing).call(null!=t?t:{},null!=t?t.signature:t,{name:"escape",hash:{},
data:i}))?a:"")+"\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a;return
null!=(a=(n.ifCond||t&&t.ifCond||n.helperMissing).call(null!=t?t:{},null!=t?t.sampleJSON:t,"||",null!=t?t.sampleXM
L:t,{name:"ifCond",hash:{},fn:e.program(1,i,0),inverse:e.program(7,i,0),data:i}))?a:""},useData:!0}),t.status_code=
e({1:function(e,t,n,r,i){var a,o,s=null!=t?t:{},l=n.helperMissing;return"     <tr>\n
<td>"+e.escapeExpression((o=null!=(o=n.key||i&&i.key)?o:l,"function"==typeof
o?o.call(s,{name:"key",hash:{},data:i}):o))+"</td>\n
<td>"+(null!=(a=(n.sanitize||t&&t.sanitize||l).call(s,null!=t?t.description:t,{name:"sanitize",hash:{},data:i}))?a:"")+"
</td>\n
<td>"+(null!=(a=(n.escape||t&&t.escape||l).call(s,null!=t?t.type:t,{name:"escape",hash:{},data:i}))?a:"")+"</td>\n
</tr>\n"},compiler:[7,">= 4.0.0"],main:function(e,t,n,r,i){var a,o=null!=t?t:{},s=n.helperMissing;return"<td
width='15%'
class='code'>"+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.code:t,{name:"escape",hash:{},data:i}))?a:"")+'
</td>\n<td
class="markdown">'+(null!=(a=(n.escape||t&&t.escape||s).call(o,null!=t?t.message:t,{name:"escape",hash:{},data:i}
))?a:"")+'</td>\n<td width=\'50%\'><span class="model-signature" /></td>\n<td class="headers">\n  <table>\n
<tbody>\n'+(null!=(a=n.each.call(o,null!=t?t.headers:t,{name:"each",hash:{},fn:e.program(1,i,0),inverse:e.noop,data
:i}))?a:"")+"   </tbody>\n  </table>\n</td>"},useData:!0})}(),$(function(){$.fn.vAlign=function(){return
this.each(function(){var e=$(this).height(),t=$(this).parent().height(),n=(t-e)/2;$(this).css("margin-
top",n)})}},$.fn.stretchFormtasticInputWidthToParent=function(){return this.each(function(){var
e=$(this).closest("form").innerWidth(),t=parseInt($(this).closest("form").css("padding-
left"),10)+parseInt($(this).closest("form").css("padding-right"),10),n=parseInt($(this).css("padding-
left"),10)+parseInt($(this).css("padding-right"),10);$(this).css("width",e-t-n)})}},$("form.formtastic li.string input,
form.formtastic textarea").stretchFormtasticInputWidthToParent(),$("ul.downplayed li div.content
p").vAlign(),$("form.sandbox").submit(function(){var e=!0;return
$(this).find("input.required").each(function(){$(this).removeClass("error"),""===$(this).val()&&($(this).addClass("
error"),$(this).wiggle(),e=!1)}),e})}),Function.prototype.bind&&console&&"object"==typeof
console.log&&["log","info","warn","error","assert","dir","clear","profile","profileEnd"].forEach(function(e){consol
e[e]=this.bind(console[e],console)},Function.prototype.call),window.Docs={shebang:function(){var
e=$.param.fragment().split("/");switch(e.shift(),e.length){case 1:if(e[0].length>0){var
t="resource_"+e[0];Docs.expandEndpointListForResource(e[0]),$("#"+t).slideto({highlight:!1})}break;case
2:Docs.expandEndpointListForResource(e[0]),$("#"+t).slideto({highlight:!1});var
n=e.join("_"),r=n+"_content";Docs.expandOperation($("#"+r)),$("#"+n).slideto({highlight:!1})}},toggleEndpointLi
stForResource:function(e){var t=$("li#resource_"+Docs.escapeResourceName(e)+"
ul.endpoints");t.is(":visible")?($.bbq.pushState("#/",2),Docs.collapseEndpointListForResource(e)):($.bbq.pushState(
"#/"+e,2),Docs.expandEndpointListForResource(e))},expandEndpointListForResource:function(e){var
e=Docs.escapeResourceName(e);if(""==e)return void $(".resource
ul.endpoints").slideDown();$("li#resource_"+e).addClass("active");var t=$("li#resource_"+e+"
ul.endpoints");t.slideDown()},collapseEndpointListForResource:function(e){var
e=Docs.escapeResourceName(e);if(""==e)return void $(".resource
ul.endpoints").slideUp();$("li#resource_"+e).removeClass("active");var t=$("li#resource_"+e+"
ul.endpoints");t.slideUp()},expandOperationsForResource:function(e){return
Docs.expandEndpointListForResource(e),""==e?void $(".resource ul.endpoints li.operation
div.content").slideDown():void $("li#resource_"+Docs.escapeResourceName(e)+" li.operation
```

div.content").each(function(){Docs.expandOperation($(this))})},collapseOperationsForResource:function(e){return Docs.expandEndpointListForResource(e),""==e?void $(".resource ul.endpoints li.operation div.content").slideUp():void $("li#resource_"+Docs.escapeResourceName(e)+" li.operation div.content").each(function(){Docs.collapseOperation($(this))})},escapeResourceName:function(e){return e.replace(/[!"#$%&'()*+,.\/:;<=>?@\[\\\]\^`{|}~]/g,"\\$&")},expandOperation:function(e){e.slideDown()},collapseO peration:function(e){e.slideUp()}},function(e,t){"use strict";"function"==typeof define&&define.amd?define(t):"object"==typeof exports?module.exports=t():e.returnExports=t()}(this,function(){var e,t,n=Array,r=n.prototype,i=Object,a=i.prototype,o=Function,s=o.prototype,l=String,u=l.prototype,c=Number,p=c.p rototype,h=r.slice,f=r.splice,d=r.push,m=r.unshift,g=r.concat,y=r.join,v=s.call,b=s.apply,w=Math.max,_=Math.min, x=a.toString,A="function"==typeof Symbol&&"symbol"==typeof Symbol.toStringTag,S=Function.prototype.toString,j=/^\s*class /,E=function(e){try{var t=S.call(e),n=t.replace(/\/\/.*\n/g,""),r=n.replace(/\/*[.\s\S]**\//g,""),i=r.replace(/\n/gm," ").replace(/ {2}/g," ");return j.test(i)}catch(a){return!1}},O=function(e){try{return!E(e)&&(S.call(e),!0)}catch(t){return!1}},k="[object Function]",T="[object GeneratorFunction]",e=function(e){if(!e)return!1;if("function"!=typeof e&&"object"!=typeof e)return!1;if(A)return O(e);if(E(e))return!1;var t=x.call(e);return t===k||t===T},C=RegExp.prototype.exec,I=function(e){try{return C.call(e),!0}catch(t){return!1}},D="[object RegExp]";t=function(e){return"object"==typeof e&&(A?I(e):x.call(e)===D)};var L,M=String.prototype.valueOf,R=function(e){try{return M.call(e),!0}catch(t){return!1}},U="[object String]";L=function(e){return"string"==typeof e||"object"==typeof e&&(A?R(e):x.call(e)===U)};var P=i.defineProperty&&function(){try{var e={};i.defineProperty(e,"x",{enumerable:!1,value:e});for(var t in e)return!1;return e.x===e}catch(n){return!1}}(),q=function(e){var t;return t=P?function(e,t,n,r){!r&&t in e||i.defineProperty(e,t,{configurable:!0,enumerable:!1,writable:!0,value:n})}:function(e,t,n,r){!r&&t in e||(e[t]=n)},function(n,r,i){for(var a in r)e.call(r,a)&&t(n,a,r[a],i)}}(a.hasOwnProperty),B=function(e){var t=typeof e;return null===e||"object"!==t&&"function"!==t},N=c.isNaN||function(e){return e!==e},z={ToInteger:function(e){var t=+e;return N(t)?t=0:0!==t&&t!==1/0&&t!==-(1/0)&&(t=(t>0||-1)*Math.floor(Math.abs(t))),t},ToPrimitive:function(t){var n,r,i;if(B(t))return t;if(r=t.valueOf,e(r)&&(n=r.call(t),B(n)))return n;if(i=t.toString,e(i)&&(n=i.call(t),B(n)))return n;throw new TypeError},ToObject:function(e){if(null==e)throw new TypeError("can't convert "+e+" to object");return i(e)},ToUint32:function(e){return e>>>0}},$=function(){};q(s,{bind:function(t){var n=this;if(!e(n))throw new TypeError("Function.prototype.bind called on incompatible "+n);for(var r,a=h.call(arguments,1),s=function(){if(this instanceof r){var e=b.call(n,this,g.call(a,h.call(arguments)));return i(e)===e?e:this}return b.call(n,t,g.call(a,h.call(arguments)))},l=w(0,n.length-a.length),u=[],c=0;c<l;c++)d.call(u,"$"+c);return r=o("binder","return function ("+y.call(u,",")+"){ return binder.apply(this, arguments); }")(s),n.prototype&&($.prototype=n.prototype,r.prototype=new $,$.prototype=null),r}});var F=v.bind(a.hasOwnProperty),V=v.bind(a.toString),H=v.bind(h),Y=b.bind(h),J=v.bind(u.slice),W=v.bind(u.split),Q=v.bind(u.indexOf),G=v.bind(d),K=v.bind(a.propertyIsEnumerable),X=v.bind(r.sort),Z=n.isArray||function(e){return "[object Array]"===V(e)},ee=1!==[].unshift(0);q(r,{unshift:function(){return m.apply(this,arguments),this.length}},ee),q(n,{isArray:Z});var te=i("a"),ne="a"!==te[0]||!(0 in te),re=function(e){var t=!0,n=!0,r=!1;if(e)try{e.call("foo",function(e,n,r){"object"!=typeof r&&(t=!1)}),e.call([1],function(){"use strict";n="string"==typeof this},"x")}catch(i){r=!0}return!!e&&!r&&t&&n};q(r,{forEach:function(t){var n,r=z.ToObject(this),i=ne&&L(this)?W(this,""):r,a=-1,o=z.ToUint32(i.length);if(arguments.length>1&&(n=arguments[1]),!e(t))throw new TypeError("Array.prototype.forEach callback must be a function");for(;++a<o;)a in i&&("undefined"==typeof n?t(i[a],a,r):t.call(n,i[a],a,r))}},!re(r.forEach)),q(r,{map:function(t){var r,i=z.ToObject(this),a=ne&&L(this)?W(this,""):i,o=z.ToUint32(a.length),s=n(o);if(arguments.length>1&&(r=arguments[1]),!e(t))throw new TypeError("Array.prototype.map callback must be a function");for(var l=0;l<o;l++)l in

a&&("undefined"==typeof r?s[l]=t(a[l],l,i):s[l]=t.call(r,a[l],l,i));return s}},!re(r.map)),q(r,{filter:function(t){var n,r,i=z.ToObject(this),a=ne&&L(this)?W(this,""):i,o=z.ToUint32(a.length),s=[];if(arguments.length>1&&(r=argum ents[1]),!e(t))throw new TypeError("Array.prototype.filter callback must be a function");for(var l=0;l<o;l++)l in a&&(n=a[l],("undefined"==typeof r?t(n,l,i):t.call(r,n,l,i))&&G(s,n));return s}},!re(r.filter)),q(r,{every:function(t){var n,r=z.ToObject(this),i=ne&&L(this)?W(this,""):r,a=z.ToUint32(i.length);if(arguments.length>1&&(n=arguments[1]),!e(t))throw new TypeError("Array.prototype.every callback must be a function");for(var o=0;o<a;o++)if(o in i&&!("undefined"==typeof n?t(i[o],o,r):t.call(n,i[o],o,r)))return!1;return!0}},!re(r.every)),q(r,{some:function(t){var n,r=z.ToObject(this),i=ne&&L(this)?W(this,""):r,a=z.ToUint32(i.length);if(arguments.length>1&&(n=arguments[1]),!e(t))throw new TypeError("Array.prototype.some callback must be a function");for(var o=0;o<a;o++)if(o in i&&("undefined"==typeof n?t(i[o],o,r):t.call(n,i[o],o,r)))return!0;return!1}},!re(r.some));var ie=!1;r.reduce&&(ie="object"==typeof r.reduce.call("es5",function(e,t,n,r){return r})),q(r,{reduce:function(t){var n=z.ToObject(this),r=ne&&L(this)?W(this,""):n,i=z.ToUint32(r.length);if(!e(t))throw new TypeError("Array.prototype.reduce callback must be a function");if(0===i&&1===arguments.length)throw new TypeError("reduce of empty array with no initial value");var a,o=0;if(arguments.length>=2)a=arguments[1];else for(;;){if(o in r){a=r[o++];break}if(++o>=i)throw new TypeError("reduce of empty array with no initial value")}for(;o<i;o++)o in r&&(a=t(a,r[o],o,n));return a}},!ie);var ae=!1;r.reduceRight&&(ae="object"==typeof r.reduceRight.call("es5",function(e,t,n,r){return r})),q(r,{reduceRight:function(t){var n=z.ToObject(this),r=ne&&L(this)?W(this,""):n,i=z.ToUint32(r.length);if(!e(t))throw new TypeError("Array.prototype.reduceRight callback must be a function");if(0===i&&1===arguments.length)throw new TypeError("reduceRight of empty array with no initial value");var a,o=i-1;if(arguments.length>=2)a=arguments[1];else for(;;){if(o in r){a=r[o--];break}if(--o<0)throw new TypeError("reduceRight of empty array with no initial value")}if(o<0)return a;do o in r&&(a=t(a,r[o],o,n));while(o--);return a}},!ae);var oe=r.indexOf&&[0,1].indexOf(1,2)!==-1;q(r,{indexOf:function(e){var t=ne&&L(this)?W(this,""):z.ToObject(this),n=z.ToUint32(t.length);if(0===n)return-1;var r=0;for(arguments.length>1&&(r=z.ToInteger(arguments[1])),r=r>=0?r:w(0,n+r);r<n;r++)if(r in t&&t[r]===e)return r;return-1}},oe);var se=r.lastIndexOf&&[0,1].lastIndexOf(0,-3)!==-1;q(r,{lastIndexOf:function(e){var t=ne&&L(this)?W(this,""):z.ToObject(this),n=z.ToUint32(t.length);if(0===n)return-1;var r=n-1;for(arguments.length>1&&(r=_(r,z.ToInteger(arguments[1]))),r=r>=0?r:n-Math.abs(r);r>=0;r--)if(r in t&&e===t[r])return r;return-1}},se);var le=function(){var e=[1,2],t=e.splice();return 2===e.length&&Z(t)&&0===t.length}();q(r,{splice:function(e,t){return 0===arguments.length?[]:f.apply(this,arguments)}},!le);var ue=function(){var e={};return r.splice.call(e,0,0,1),1===e.length}();q(r,{splice:function(e,t){if(0===arguments.length)return[];var n=arguments;return this.length=w(z.ToInteger(this.length),0),arguments.length>0&&"number"!=typeof t&&(n=H(arguments),n.length<2?G(n,this.length-e):n[1]=z.ToInteger(t)),f.apply(this,n)}},!ue);var ce=function(){var e=new n(1e5);return e[8]="x",e.splice(1,1),7===e.indexOf("x")}(),pe=function(){var e=256,t=[];return t[e]="a",t.splice(e+1,0,"b"),"a"===t[e]}();q(r,{splice:function(e,t){for(var n,r=z.ToObject(this),i=[],a=z.ToUint32(r.length),o=z.ToInteger(e),s=o<0?w(a+o,0):_(o,a),u=_(w(z.ToInteger(t),0),a-s),c=0;c<u;)n=l(s+c),F(r,n)&&(i[c]=r[n]),c+=1;var p,h=H(arguments,2),f=h.length;if(f<u){c=s;for(var d=a-u;c<d;)n=l(c+u),p=l(c+f),F(r,n)?r[p]=r[n]:delete r[p],c+=1;c=a;for(var m=a-u+f;c>m;)delete r[c-1],c-=1}else if(f>u)for(c=a-u;c>s;)n=l(c+u-1),p=l(c+f-1),F(r,n)?r[p]=r[n]:delete r[p],c-=1;c=s;for(var g=0;g<h.length;++g)r[c]=h[g],c+=1;return r.length=a-u+f,i}},!ce||!pe);var he,fe=r.join;try{he="1,2,3"!==Array.prototype.join.call("123",",")}catch(de){he=!0}he&&q(r,{join:function(e){var t="undefined"==typeof e?",":e;return fe.call(L(this)?W(this,""):this,t)}},he);var me="1,2"!==[1,2].join(void 0);me&&q(r,{join:function(e){var t="undefined"==typeof e?",":e;return fe.call(this,t)}},me);var ge=function(e){for(var t=z.ToObject(this),n=z.ToUint32(t.length),r=0;r<arguments.length;)t[n+r]=arguments[r],r+=1;return

t.length=n+r,n+r},ye=function(){var e={},t=Array.prototype.push.call(e,void 0);return 1!==t||1!==e.length||"undefined"!=typeof e[0]||!F(e,0)}();q(r,{push:function(e){return Z(this)?d.apply(this,arguments):ge.apply(this,arguments)}},ye);var ve=function(){var e=[],t=e.push(void 0);return 1!==t||1!==e.length||"undefined"!=typeof e[0]||!F(e,0)}();q(r,{push:ge},ve),q(r,{slice:function(e,t){var n=L(this)?W(this,""):this;return Y(n,arguments)}},ne);var be=function(){try{return[1,2].sort(null),[1,2].sort({}),!0}catch(e){}return!1}(),we=function(){try{return[1,2].sort(/a/),!1}catch(e){}return!0}(),_e=function(){try{return[1,2].sort(void 0),!0}catch(e){}return!1}();q(r,{sort:function(t){if("undefined"==typeof t)return X(this);if(!e(t))throw new TypeError("Array.prototype.sort callback must be a function");return X(this,t)}},be||!_e||!we);var xe=!K({toString:null},"toString"),Ae=K(function(){},"prototype"),Se=!F("x","0"),je=function(e){var t=e.constructor;return t&&t.prototype===e},Ee={$window:!0,$console:!0,$parent:!0,$self:!0,$frame:!0,$frames:!0,$frameElement:!0,$webkitIndexedDB:!0,$webkitStorageInfo:!0,$external:!0},Oe=function(){if("undefined"==typeof window)return!1;for(var e in window)try{!Ee["$"+e]&&F(window,e)&&null!==window[e]&&"object"==typeof window[e]&&je(window[e])}catch(t){return!0}return!1}(),ke=function(e){if("undefined"==typeof window||!Oe)return je(e);try{return je(e)}catch(t){return!1}},Te=["toString","toLocaleString","valueOf","hasOwnProperty","isPrototypeOf","propertyIsEnumerable","constructor"],Ce=Te.length,Ie=function(e){return"[object Arguments]"===V(e)},De=function(t){return null!==t&&"object"==typeof t&&"number"==typeof t.length&&t.length>=0&&!Z(t)&&e(t.callee)},Le=Ie(arguments)?Ie:De;q(i,{keys:function(t){var n=e(t),r=Le(t),i=null!==t&&"object"==typeof t,a=i&&L(t);if(!i&&!n&&!r)throw new TypeError("Object.keys called on a non-object");var o=[],s=Ae&&n;if(a&&Se||r)for(var u=0;u<t.length;++u)G(o,l(u));if(!r)for(var c in t)s&&"prototype"===c||!F(t,c)||G(o,l(c));if(xe)for(var p=ke(t),h=0;h<Ce;h++){var f=Te[h];p&&"constructor"===f||!F(t,f)||G(o,f)}return o}});var Me=i.keys&&function(){return 2===i.keys(arguments).length}(1,2),Re=i.keys&&function(){var e=i.keys(arguments);return 1!==arguments.length||1!==e.length||1!==e[0]}(1),Ue=i.keys;q(i,{keys:function(e){return Ue(Le(e)?H(e):e)}},!Me||Re);var Pe,qe,Be=0!==new Date((-0xc782b5b342b24)).getUTCMonth(),Ne=new Date((-0x55d318d56a724)),ze=new Date(14496624e5),$e="Mon, 01 Jan -45875 11:59:59 GMT"!==Ne.toUTCString(),Fe=Ne.getTimezoneOffset();Fe<-720?(Pe="Tue Jan 02 -45875"!==Ne.toDateString(),qe=!/^Thu Dec 10 2015 \d\d:\d\d:\d\d GMT[-\+]\d\d\d\d(?: |$)/.test(ze.toString())):(Pe="Mon Jan 01 -45875"!==Ne.toDateString(),qe=!/^Wed Dec 09 2015 \d\d:\d\d:\d\d GMT[-\+]\d\d\d\d(?: |$)/.test(ze.toString()));var Ve=v.bind(Date.prototype.getFullYear),He=v.bind(Date.prototype.getMonth),Ye=v.bind(Date.prototype.getDate),Je=v.bind(Date.prototype.getUTCFullYear),We=v.bind(Date.prototype.getUTCMonth),Qe=v.bind(Date.prototype.getUTCDate),Ge=v.bind(Date.prototype.getUTCDay),Ke=v.bind(Date.prototype.getUTCHours),Xe=v.bind(Date.prototype.getUTCMinutes),Ze=v.bind(Date.prototype.getUTCSeconds),et=v.bind(Date.prototype.getUTCMilliseconds),tt=["Sun","Mon","Tue","Wed","Thu","Fri","Sat"],nt=["Jan","Feb","Mar","Apr","May","Jun","Jul","Aug","Sep","Oct","Nov","Dec"],rt=function(e,t){return Ye(new Date(t,e,0))};q(Date.prototype,{getFullYear:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Ve(this);return e<0&&He(this)>11?e+1:e},getMonth:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Ve(this),t=He(this);return e<0&&t>11?0:t},getDate:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Ve(this),t=He(this),n=Ye(this);if(e<0&&t>11){if(12===t)return n;var r=rt(0,e+1);return r-n+1}return n},getUTCFullYear:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Je(this);return e<0&&We(this)>11?e+1:e},getUTCMonth:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Je(this),t=We(this);return e<0&&t>11?0:t},getUTCDate:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Je(this),t=We(this),n=Qe(this);if(e<0&&t>11){if(12===t)return n;var r=rt(0,e+1);return r-

n+1}return n}},Be),q(Date.prototype,{toUTCString:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=Ge(this),t=Qe(this),n=We(this),r=Je(this),i=Ke(this),a=Xe(this),o=Ze(this);return tt[e]+", "+(t<10?"0"+t:t)+" "+nt[n]+" "+r+" "+(i<10?"0"+i:i)+":"+(a<10?"0"+a:a)+":"+(o<10?"0"+o:o)+" GMT"}},Be||$e),q(Date.prototype,{toDateString:function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=this.getDay(),t=this.getDate(),n=this.getMonth(),r=this.getFullYear();return tt[e]+" "+nt[n]+" "+(t<10?"0"+t:t)+" "+r}},Be||Pe),(Be||qe)&&(Date.prototype.toString=function(){if(!(this&&this instanceof Date))throw new TypeError("this is not a Date object.");var e=this.getDay(),t=this.getDate(),n=this.getMonth(),r=this.getFullYear(),i=this.getHours(),a=this.getMinutes(),o=this.getSeconds(),s=this.getTimezoneOffset(),l=Math.floor(Math.abs(s)/60),u=Math.floor(Math.abs(s)%60);return tt[e]+" "+nt[n]+" "+(t<10?"0"+t:t)+" "+r+" "+(i<10?"0"+i:i)+":"+(a<10?"0"+a:a)+":"+(o<10?"0"+o:o)+" GMT"+(s>0?"-":"+")+(l<10?"0"+l:l)+(u<10?"0"+u:u)},P&&i.defineProperty(Date.prototype,"toString",{configurable:!0,enumerable:!1,writable:!0}));var it=-621987552e5,at="-000001",ot=Date.prototype.toISOString&&new Date(it).toISOString().indexOf(at)===-1,st=Date.prototype.toISOString&&"1969-12-31T23:59:59.999Z"!==new Date((-1)).toISOString(),lt=v.bind(Date.prototype.getTime);q(Date.prototype,{toISOString:function(){if(!isFinite(this)||!isFinite(lt(this)))throw new RangeError("Date.prototype.toISOString called on non-finite value.");var e=Je(this),t=We(this);e+=Math.floor(t/12),t=(t%12+12)%12;var n=[t+1,Qe(this),Ke(this),Xe(this),Ze(this)];e=(e<0?"-":e>9999?"+":"")+J("00000"+Math.abs(e),0<=e&&e<=9999?-4:-6);for(var r=0;r<n.length;++r)n[r]=J("00"+n[r],-2);return e+"-"+H(n,0,2).join("-")+"T"+H(n,2).join(":")+"."+J("000"+et(this),-3)+"Z"}},ot||st);var ut=function(){try{return Date.prototype.toJSON&&null===new Date(NaN).toJSON()&&new Date(it).toJSON().indexOf(at)!==-1&&Date.prototype.toJSON.call({toISOString:function(){return!0}})}catch(e){return!1}}();ut||(Date.prototype.toJSON=function(t){var n=i(this),r=z.ToPrimitive(n);if("number"==typeof r&&!isFinite(r))return null;var a=n.toISOString;if(!e(a))throw new TypeError("toISOString property is not callable");return a.call(n)});var ct=1e15===Date.parse("+033658-09-27T01:46:40.000Z"),pt=!isNaN(Date.parse("2012-04-04T24:00:00.500Z"))||!isNaN(Date.parse("2012-11-31T23:59:59.000Z"))||!isNaN(Date.parse("2012-12-31T23:59:60.000Z")),ht=isNaN(Date.parse("2000-01-01T00:00:00.000Z"));if(ht||pt||!ct){var ft=Math.pow(2,31)-1,dt=N(new Date(1970,0,1,0,0,0,ft+1).getTime());Date=function(e){var t=function(n,r,i,a,o,s,u){var c,p=arguments.length;if(this instanceof e){var h=s,f=u;if(dt&&p>=7&&u>ft){var d=Math.floor(u/ft)*ft,m=Math.floor(d/1e3);h+=m,f-=1e3*m}c=1===p&&l(n)===n?new e(t.parse(n)):p>=7?new e(n,r,i,a,o,h,f):p>=6?new e(n,r,i,a,o,h):p>=5?new e(n,r,i,a,o):p>=4?new e(n,r,i,a):p>=3?new e(n,r,i):p>=2?new e(n,r):p>=1?new e(n instanceof e?+n:n):new e;}else c=e.apply(this,arguments);return B(c)||q(c,{constructor:t},!0),c},n=new RegExp("^(\\d{4}|[+-]\\d{6})(?:-(\\d{2})(?:-(\\d{2})(?:T(\\d{2}):(\\d{2})(?::(\\d{2})(?:(\\.\\d{1,}))?)?(Z|(?:([-+])(\\d{2}):(\\d{2})))?)?)?)?$"),r=[0,31,59,90,120,151,181,212,243,273,304,334,365],i=function(e,t){var n=t>1?1:0;return r[t]+Math.floor((e-1969+n)/4)-Math.floor((e-1901+n)/100)+Math.floor((e-1601+n)/400)+365*(e-1970)},a=function(t){var n=0,r=t;if(dt&&r>ft){var i=Math.floor(r/ft)*ft,a=Math.floor(i/1e3);n+=a,r-=1e3*a}return c(new e(1970,0,1,0,0,n,r))};for(var o in e)F(e,o)&&(t[o]=e[o]);q(t,{now:e.now,UTC:e.UTC},!0),t.prototype=e.prototype,q(t.prototype,{constructor:t},!0);var s=function(t){var r=n.exec(t);if(r){var o,s=c(r[1]),l=c(r[2]||1)-1,u=c(r[3]||1)-1,p=c(r[4]||0),h=c(r[5]||0),f=c(r[6]||0),d=Math.floor(1e3*c(r[7]||0)),m=Boolean(r[4]&&!r[8]),g="-"===r[9]?1:-1,y=c(r[10]||0),v=c(r[11]||0),b=h>0||f>0||d>0;return p<(b?24:25)&&h<60&&f<60&&d<1e3&&l>-1&&l<12&&y<24&&v<60&&u>-1&&u<i(s,l+1)-i(s,l)&&(o=60*(24*(i(s,l)+u)+p+y*g),o=1e3*(60*(o+h+v*g)+f)+d,m&&(o=a(o)),-864e13<=o&&o<=864e13)?o:NaN}return e.parse.apply(this,arguments)};return

q(t,{parse:s}),t}(Date)}Date.now||(Date.now=function(){return(new Date).getTime()});var mt=p.toFixed&&("0.000"!==8e-5.toFixed(3)||"1"!==.9.toFixed(0)||"1.25"!==1.255.toFixed(2)||"1000000000000000128"!==(0xde0b6b3a7640080).toFixed(0)),gt={base:1e7,size:6,data:[0,0,0,0,0,0],multiply:function(e,t){for(var n=-1,r=t;++n<gt.size;)r+=e*gt.data[n],gt.data[n]=r%gt.base,r=Math.floor(r/gt.base)},divide:function(e){for(var t=gt.size,n=0;--t>=0;)n+=gt.data[t],gt.data[t]=Math.floor(n/e),n=n%e*gt.base},numToString:function(){for(var e=gt.size,t="";--e>=0;)if(""!==t||0===e||0!==gt.data[e]){var n=l(gt.data[e]);""===t?t=n:t+=J("0000000",0,7-n.length)+n}return t},pow:function Ut(e,t,n){return 0===t?n:t%2===1?Ut(e,t-1,n*e):Ut(e*e,t/2,n)},log:function(e){for(var t=0,n=e;n>=4096;)t+=12,n/=4096;for(;n>=2;)t+=1,n/=2;return t}},yt=function(e){var t,n,r,i,a,o,s,u;if(t=c(e),t=N(t)?0:Math.floor(t),t<0||t>20)throw new RangeError("Number.toFixed called with invalid number of decimals");if(n=c(this),N(n))return"NaN";if(n<=-1e21||n>=1e21)return l(n);if(r="",n<0&&(r="-",n=-n),i="0",n>1e-21)if(a=gt.log(n*gt.pow(2,69,1))-69,o=a<0?n*gt.pow(2,-a,1):n/gt.pow(2,a,1),o*=4503599627370496,a=52-a,a>0){for(gt.multiply(0,o),s=t;s>=7;)gt.multiply(1e7,0),s-=7;for(gt.multiply(gt.pow(10,s,1),0),s=a-1;s>=23;)gt.divide(1<<23),s-=23;gt.divide(1<<s),gt.multiply(1,1),gt.divide(2),i=gt.numToString()}else gt.multiply(0,o),gt.multiply(1<<-a,0),i=gt.numToString()+J("0.00000000000000000000",2,2+t);return t>0?(u=i.length,i=u<=t?r+J("0.0000000000000000000",0,t-u+2)+i:r+J(i,0,u-t)+"."+J(i,u-t)):i=r+i,i};q(p,{toFixed:yt},mt);var vt=function(){try{return"1"===1..toPrecision(void 0)}catch(e){return!0}}(),bt=p.toPrecision;q(p,{toPrecision:function(e){return"undefined"==typeof e?bt.call(this):bt.call(this,e)}},vt),2!=="ab".split(/(?:ab)*/).length||4!==".".split(/(.?)(.?)/).length||"t"==="tesst".split(/(s)*/)[1]||4!=="test".split(/(?:)/,-1).length||"".split(/.?/).length||".".split(/()()/).length>1?!function(){var e="undefined"==typeof/()??/.exec("")[1],n=Math.pow(2,32)-1;u.split=function(r,i){var a=String(this);if("undefined"==typeof r&&0===i)return[];if(!t(r))return W(this,r,i);var o,s,l,u,c=[],p=(r.ignoreCase?"i":"")+(r.multiline?"m":"")+(r.unicode?"u":"")+(r.sticky?"y":""),h=0,f=new RegExp(r.source,p+"g");e||(o=new RegExp("^"+f.source+"$(?!\\s)",p));var m="undefined"==typeof i?n:z.ToUint32(i);for(s=f.exec(a);s&&(l=s.index+s[0].length,!(l>h&&(G(c,J(a,h,s.index)),!e&&s.length>1&&s[0].replace(o,function(){for(var e=1;e<arguments.length-2;e++)"undefined"==typeof arguments[e]&&(s[e]=void 0)})),s.length>1&&s.index<a.length&&d.apply(c,H(s,1)),u=s[0].length,h=l,c.length>=m)));)f.lastIndex===s.index&&f.lastIndex++,s=f.exec(a);return h===a.length?!u&&f.test("")||G(c,""):G(c,J(a,h)),c.length>m?H(c,0,m):c}}():"0".split(void 0,0).length&&(u.split=function(e,t){return"undefined"==typeof e&&0===t?[]:W(this,e,t)});var wt=u.replace,_t=function(){var e=[];return"x".replace(/x(.)?/g,function(t,n){G(e,n)}),1===e.length&&"undefined"==typeof e[0]}();_t||(u.replace=function(n,r){var i=e(r),a=t(n)&&/\)[*?]/.test(n.source);if(i&&a){var o=function(e){var t=arguments.length,i=n.lastIndex;n.lastIndex=0;var a=n.exec(e)||[];return n.lastIndex=i,G(a,arguments[t-2],arguments[t-1]),r.apply(this,a)};return wt.call(this,n,o)}return wt.call(this,n,r)});var xt=u.substr,At="".substr&&"b"!=="0b".substr(-1);q(u,{substr:function(e,t){var n=e;return e<0&&(n=w(this.length+e,0)),xt.call(this,n,t)}},At);var St="\t\n\x0B\f\r\u2028\u2029\ufeff",jt="",Et="["+St+"]",Ot=new RegExp("^"+Et+Et+"*"),kt=new RegExp(Et+Et+"*$"),Tt=u.trim&&(St.trim()||!jt.trim());q(u,{trim:function(){if("undefined"==typeof this||null===this)throw new TypeError("can't convert "+this+" to object");return l(this).replace(Ot,"").replace(kt,"")}},Tt);var Ct=v.bind(String.prototype.trim),It=u.lastIndexOf&&"abc".lastIndexOf("",2)!==-1;q(u,{lastIndexOf:function(e){if("undefined"==typeof this||null===this)throw new TypeError("can't convert "+this+" to object");for(var t=l(this),n=l(e),r=arguments.length>1?c(arguments[1]):NaN,i=N(r)?1/0:z.ToInteger(r),a=_(w(i,0),t.length),o=n.length,s=a+o;s>0;){s=w(0,s-o);var u=Q(J(t,s,a+o),n);if(u!==-1)return s+u}return-1}},It);var Dt=u.lastIndexOf;if(q(u,{lastIndexOf:function(e){return

Dt.apply(this,arguments)}},1!==u.lastIndexOf.length),8===parseInt(St+"08")&&22===parseInt(St+"0x16")||(parseInt=function(e){var t=/^[\-+]?0[xX]/;return function(n,r){var i=Ct(String(n)),a=c(r)||(t.test(i)?16:10);return e(i,a)}}(parseInt)),1/parseFloat("-0")!==-(1/0)&&(parseFloat=function(e){return function(t){var n=Ct(String(t)),r=e(n);return 0===r&&"-"===J(n,0,1)?-0:r}}(parseFloat)),"RangeError: test"!==String(new RangeError("test"))){var Lt=function(){if("undefined"==typeof this||null===this)throw new TypeError("can't convert "+this+" to object");var e=this.name;"undefined"==typeof e?e="Error":"string"!=typeof e&&(e=l(e));var t=this.message;return"undefined"==typeof t?t="":"string"!=typeof t&&(t=l(t)),e?t?e+": "+t:e:t};Error.prototype.toString=Lt}if(P){var Mt=function(e,t){if(K(e,t)){var n=Object.getOwnPropertyDescriptor(e,t);n.configurable&&(n.enumerable=!1,Object.defineProperty(e,t,n))}};Mt(Error.prototype,"message"),""!==Error.prototype.message&&(Error.prototype.message=""),Mt(Error.prototype,"name")}if("/a/gim"!==String(/a/gim)){var Rt=function(){var e="/"+this.source+"/";return this.global&&(e+="g"),this.ignoreCase&&(e+="i"),this.multiline&&(e+="m"),e};RegExp.prototype.toString=Rt}}),Handlebars.registerHelper("sanitize",function(e){var t;return void 0===e?"":(t=sanitizeHtml(e,{allowedTags:["div","span","b","i","em","strong","a"],allowedAttributes:{div:["class"],span:["class"],a:["href"]}}),new Handlebars.SafeString(t))}),Handlebars.registerHelper("renderTextParam",function(e){var t,n="text",r="",i=e.type||e.schema&&e.schema.type||"",a="array"===i.toLowerCase()||e.allowMultiple,o=a&&Array.isArray(e["default"])?e["default"].join("\n"):e["default"],s=Handlebars.Utils.escapeExpression(e.name),l=Handlebars.Utils.escapeExpression(e.valueId);i=Handlebars.Utils.escapeExpression(i);var u=Object.keys(e).filter(function(e){return null!==e.match(/^X-data-/i)}).reduce(function(t,n){return t+=" "+n.substring(2,n.length)+"='"+e[n]+"'"},"");if(e.format&&"password"===e.format&&(n="password"),l&&(r=" id='"+l+"'"),o=o?sanitizeHtml(o):"",a)t="<textarea class='body-textarea"+(e.required?" required":"")+"' name='"+s+"'"+r+u,t+=" placeholder='Provide multiple values in new lines"+(e.required?" (at least one required).":".")+"'>",t+=o+"</textarea>";else{var c="parameter";e.required&&(c+=" required"),t="<input class='"+c+"' minlength='"+(e.required?1:0)+"'",t+=" name='"+s+"' placeholder='"+(e.required?"(required)":"")+"'"+r+u,t+=" type='"+n+"' value='"+o+"'/>"}return new Handlebars.SafeString(t)}),Handlebars.registerHelper("ifCond",function(e,t,n,r){switch(t){case"==":return e==n?r.fn(this):r.inverse(this);case"===":return e===n?r.fn(this):r.inverse(this);case"<":return e<n?r.fn(this):r.inverse(this);case"<=":return e<=n?r.fn(this):r.inverse(this);case">":return e>n?r.fn(this):r.inverse(this);case">=":return e>=n?r.fn(this):r.inverse(this);case"&&":return e&&n?r.fn(this):r.inverse(this);case"||":return e||n?r.fn(this):r.inverse(this);default:return r.inverse(this)}}),Handlebars.registerHelper("escape",function(e){var t=Handlebars.Utils.escapeExpression(e);return new Handlebars.SafeString(t)}),function(e){if("object"==typeof exports&&"undefined"!=typeof module)module.exports=e();else if("function"==typeof define&&define.amd)define([],e);else{var t;t="undefined"!=typeof window?window:"undefined"!=typeof global?global:"undefined"!=typeof self?self:this,t.sanitizeHtml=e()}}(function(){return function e(t,n,r){function i(o,s){if(!n[o]){if(!t[o]){var l="function"==typeof require&&require;if(!s&&l)return l(o,!0);if(a)return a(o,!0);var u=new Error("Cannot find module '"+o+"'");throw u.code="MODULE_NOT_FOUND",u}var c=n[o]={exports:{}};t[o][0].call(c.exports,function(e){var n=t[o][1][e];return i(n?n:e)},c,c.exports,e,t,n,r)}return n[o].exports}for(var a="function"==typeof require&&require,o=0;o<r.length;o++)i(r[o]);return i}({1:[function(e,t,n){function r(e,t){e&&Object.keys(e).forEach(function(n){t(e[n],n)})}function i(e,t){return{}.hasOwnProperty.call(e,t)}function a(e,t,n){function c(e,t){var n=this;this.tag=e,this.attribs=t||{},this.tagPosition=d.length,this.text="",this.updateParentNodeText=function(){if(x.length){var e=x[x.length-1];e.text+=n.text}}}function p(e){return"string"!=typeof e&&(e+=""),e.replace(/\&/g,"&").replace(/</g,"<").replace(/>/g,">").replace(/\"/g,""")}function h(e,n){n=n.replace(/[\x00-\x20]+/g,""),n=n.replace(/<\!\-\-.*?\-\-\>/g,"");var r=n.match(/^([a-zA-Z]+)\:/);if(!r)return!1;var a=r[1].toLowerCase();return i(t.allowedSchemesByTag,e)?t.allowedSchemesByTag[e].indexOf(a)===-

1:!t.allowedSchemes||t.allowedSchemes.indexOf(a)===-1}function f(e,t){return t?(e=e.split(/\s+/),e.filter(function(e){return t.indexOf(e)!==-1}).join(" ")):e}var d="";t?(t=s(a.defaults,t),t.parser?t.parser=s(u,t.parser):t.parser=u):(t=a.defaults,t.parser=u);var m,g,y=t.nonTextTags||["script","style","textarea"];t.allowedAttributes&&(m={},g={},r(t.allowedAttributes,function(e,t){m[t]=[];var n=[];e.forEach(function(e){e.indexOf("*")>=0?n.push(l(e).replace(/*/g,".*")):m[t].push(e)}),g[t]=new RegExp("^("+n.join("|")+")$")}));var v={};r(t.allowedClasses,function(e,t){m&&(i(m,t)||(m[t]=[]),m[t].push("class")),v[t]=e});var b,w={};r(t.transformTags,function(e,t){var n;"function"==typeof e?n=e:"string"==typeof e&&(n=a.simpleTransform(e)),"*"===t?b=n:w[t]=n});var _=0,x=[],A={},S={},j=!1,E=0,O=new o.Parser({onopentag:function(e,n){if(j)return void E++;var a=new c(e,n);x.push(a);var o,s=!1,l=!!a.text;i(w,e)&&(o=w[e](e,n),a.attribs=n=o.attribs,void 0!==o.text&&(a.innerText=o.text),e!==o.tagName&&(a.name=e=o.tagName,S[_]=o.tagName)),b&&(o=b(e,n),a.attribs=n=o.attribs,e!==o.tagName&&(a.name=e=o.tagName,S[_]=o.tagName)),t.allowedTags&&t.allowedTags.indexOf(e)===-1&&(s=!0,y.indexOf(e)!==-1&&(j=!0,E=1),A[_]=!0),_++,s||(d+="<"+e,(!m||i(m,e)||m["*"])&&r(n,function(t,n){if(!m||i(m,e)&&m[e].indexOf(n)!==-1||m["*"]&&m["*"].indexOf(n)!==-1||i(g,e)&&g[e].test(n)||g["*"]&&g["*"].test(n)){if(("href"===n||"src"===n)&&h(e,t))return void delete a.attribs[n];if("class"===n&&(t=f(t,v[e]),!t.length))return void delete a.attribs[n];d+=" "+n,t.length&&(d+='="'+p(t)+'"')}else delete a.attribs[n]}),t.selfClosing.indexOf(e)!==-1?d+=" />":(d+=">",!a.innerText||l||t.textFilter||(d+=a.innerText)))},ontext:function(e){if(!j){var n,r=x[x.length-1];if(r&&(n=r.tag,e=void 0!==r.innerText?r.innerText:e),"script"===n||"style"===n)d+=e;else{var i=p(e);d+=t.textFilter?t.textFilter(i):i}if(x.length){var a=x[x.length-1];a.text+=e}}},onclosetag:function(e){if(j){if(E--,E)return;j=!1}var n=x.pop();if(n){if(j=!1,_--,A[_])return delete A[_],void n.updateParentNodeText();if(S[_]&&(e=S[_],delete S[_]),t.exclusiveFilter&&t.exclusiveFilter(n))return void(d=d.substr(0,n.tagPosition));n.updateParentNodeText(),t.selfClosing.indexOf(e)===-1&&(d+="</"+e+">")}}},t.parser);return O.write(e),O.end(),d}var o=e("htmlparser2"),s=e("xtend"),l=e("regexp-quote");t.exports=a;var u={decodeEntities:!0};a.defaults={allowedTags:["h3","h4","h5","h6","blockquote","p","a","ul","ol","nl","li","b","i","strong","em","strike","code","hr","br","div","table","thead","caption","tbody","tr","th","td","pre"],allowedAttributes:{a:["href","name","target"],img:["src"]},selfClosing:["img","br","hr","area","base","basefont","input","link","meta"],allowedSchemes:["http","https","ftp","mailto"],allowedSchemesByTag:{}},a.simpleTransform=function(e,t,n){return n=void 0===n||n,t=t||{},function(r,i){var a;if(n)for(a in t)i[a]=t[a];else i=t;return{tagName:e,attribs:i}}}},{htmlparser2:36,"regexp-quote":54,xtend:58}],2:[function(e,t,n){"use strict";function r(){for(var e="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",t=0,n=e.length;t<n;++t)l[t]=e[t],u[e.charCodeAt(t)]=t;u["-".charCodeAt(0)]=62,u["_".charCodeAt(0)]=63}function i(e){var t,n,r,i,a,o,s=e.length;if(s%4>0)throw new Error("Invalid string. Length must be a multiple of 4");a="="===e[s-2]?2:"="===e[s-1]?1:0,o=new c(3*s/4-a),r=a>0?s-4:s;var l=0;for(t=0,n=0;t<r;t+=4,n+=3)i=u[e.charCodeAt(t)]<<18|u[e.charCodeAt(t+1)]<<12|u[e.charCodeAt(t+2)]<<6|u[e.charCodeAt(t+3)],o[l++]=i>>16&255,o[l++]=i>>8&255,o[l++]=255&i;return 2===a?(i=u[e.charCodeAt(t)]<<2|u[e.charCodeAt(t+1)]>>4,o[l++]=255&i):1===a&&(i=u[e.charCodeAt(t)]<<10|u[e.charCodeAt(t+1)]<<4|u[e.charCodeAt(t+2)]>>2,o[l++]=i>>8&255,o[l++]=255&i),o}function a(e){return l[e>>18&63]+l[e>>12&63]+l[e>>6&63]+l[63&e]}function o(e,t,n){for(var r,i=[],o=t;o<n;o+=3)r=(e[o]<<16)+(e[o+1]<<8)+e[o+2],i.push(a(r));return i.join("")}function s(e){for(var t,n=e.length,r=n%3,i="",a=[],s=16383,u=0,c=n-r;u<c;u+=s)a.push(o(e,u,u+s>c?c:u+s));return 1===r?(t=e[n-1],i+=l[t>>2],i+=l[t<<4&63],i+="=="):2===r&&(t=(e[n-2]<<8)+e[n-1],i+=l[t>>10],i+=l[t>>4&63],i+=l[t<<2&63],i+="="),a.push(i),a.join("")}n.toByteArray=i,n.fromByteArray=s;var

l=[],u=[],c="undefined"!=typeof Uint8Array?Uint8Array:Array;r()},{}],3:[function(e,t,n){},{}],4:[function(e,t,n){(function(t){"use strict";var r=e("buffer"),i=r.Buffer,a=r.SlowBuffer,o=r.kMaxLength||2147483647;n.alloc=function(e,t,n){if("function"==typeof i.alloc)return i.alloc(e,t,n);if("number"==typeof n)throw new TypeError("encoding must not be number");if("number"!=typeof e)throw new TypeError("size must be a number");if(e>o)throw new RangeError("size is too large");var r=n,a=t;void 0===a&&(r=void 0,a=0);var s=new i(e);if("string"==typeof a)for(var l=new i(a,r),u=l.length,c=-1;++c<e;)s[c]=l[c%u];else s.fill(a);return s},n.allocUnsafe=function(e){if("function"==typeof i.allocUnsafe)return i.allocUnsafe(e);if("number"!=typeof e)throw new TypeError("size must be a number");if(e>o)throw new RangeError("size is too large");return new i(e)},n.from=function(e,n,r){if("function"==typeof i.from&&(!t.Uint8Array||Uint8Array.from!==i.from))return i.from(e,n,r);if("number"==typeof e)throw new TypeError('"value" argument must not be a number');if("string"==typeof e)return new i(e,n);if("undefined"!=typeof ArrayBuffer&&e instanceof ArrayBuffer){var a=n;if(1===arguments.length)return new i(e);"undefined"==typeof a&&(a=0);var o=r;if("undefined"==typeof o&&(o=e.byteLength-a),a>=e.byteLength)throw new RangeError("'offset' is out of bounds");if(o>e.byteLength-a)throw new RangeError("'length' is out of bounds");return new i(e.slice(a,a+o))}if(i.isBuffer(e)){var s=new i(e.length);return e.copy(s,0,0,e.length),s}if(e){if(Array.isArray(e)||"undefined"!=typeof ArrayBuffer&&e.buffer instanceof ArrayBuffer||"length"in e)return new i(e);if("Buffer"===e.type&&Array.isArray(e.data))return new i(e.data)}throw new TypeError("First argument must be a string, Buffer, ArrayBuffer, Array, or array-like object.")},n.allocUnsafeSlow=function(e){if("function"==typeof i.allocUnsafeSlow)return i.allocUnsafeSlow(e);if("number"!=typeof e)throw new TypeError("size must be a number");if(e>=o)throw new RangeError("size is too large");return new a(e)}}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{buffer:5}],5:[function(e,t,n){(function(t){"use strict";function r(){try{var e=new Uint8Array(1);return e.__proto__={__proto__:Uint8Array.prototype,foo:function(){return 42}},42===e.foo()&&"function"==typeof e.subarray&&0===e.subarray(1,1).byteLength}catch(t){return!1}}function i(){return o.TYPED_ARRAY_SUPPORT?2147483647:1073741823}function a(e,t){if(i()<t)throw new RangeError("Invalid typed array length");return o.TYPED_ARRAY_SUPPORT?(e=new Uint8Array(t),e.__proto__=o.prototype):(null===e&&(e=new o(t)),e.length=t),e}function o(e,t,n){if(!(o.TYPED_ARRAY_SUPPORT||this instanceof o))return new o(e,t,n);if("number"==typeof e){if("string"==typeof t)throw new Error("If encoding is specified then the first argument must be a string");return c(this,e)}return s(this,e,t,n)}function s(e,t,n,r){if("number"==typeof t)throw new TypeError('"value" argument must not be a number');return"undefined"!=typeof ArrayBuffer&&t instanceof ArrayBuffer?f(e,t,n,r):"string"==typeof t?p(e,t,n):d(e,t)}function l(e){if("number"!=typeof e)throw new TypeError('"size" argument must be a number');if(e<0)throw new RangeError('"size" argument must not be negative')}function u(e,t,n,r){return l(t),t<=0?a(e,t):void 0!==n?"string"==typeof r?a(e,t).fill(n,r):a(e,t).fill(n):a(e,t)}function c(e,t){if(l(t),e=a(e,t<0?0:0|m(t)),!o.TYPED_ARRAY_SUPPORT)for(var n=0;n<t;++n)e[n]=0;return e}function p(e,t,n){if("string"==typeof n&&""!==n||(n="utf8"),!o.isEncoding(n))throw new TypeError('"encoding" must be a valid string encoding');var r=0|y(t,n);e=a(e,r);var i=e.write(t,n);return i!==r&&(e=e.slice(0,i)),e}function h(e,t){var n=t.length<0?0:0|m(t.length);e=a(e,n);for(var r=0;r<n;r+=1)e[r]=255&t[r];return e}function f(e,t,n,r){if(t.byteLength,n<0||t.byteLength<n)throw new RangeError("'offset' is out of bounds");if(t.byteLength<n+(r||0))throw new RangeError("'length' is out of bounds");return t=void 0===n&&void 0===r?new Uint8Array(t):void 0===r?new Uint8Array(t,n):new Uint8Array(t,n,r),o.TYPED_ARRAY_SUPPORT?(e=t,e.__proto__=o.prototype):e=h(e,t),e}function d(e,t){if(o.isBuffer(t)){var n=0|m(t.length);return e=a(e,n),0===e.length?e:(t.copy(e,0,0,n),e)}if(t){if("undefined"!=typeof ArrayBuffer&&t.buffer instanceof ArrayBuffer||"length"in t)return"number"!=typeof t.length||G(t.length)?a(e,0):h(e,t);if("Buffer"===t.type&&Z(t.data))return h(e,t.data)}throw new TypeError("First

argument must be a string, Buffer, ArrayBuffer, Array, or array-like object.")}function m(e){if(e>=i())throw new RangeError("Attempt to allocate Buffer larger than maximum size: 0x"+i().toString(16)+" bytes");return 0|e}function g(e){return+e!=e&&(e=0),o.alloc(+e)}function y(e,t){if(o.isBuffer(e))return e.length;if("undefined"!=typeof ArrayBuffer&&"function"==typeof ArrayBuffer.isView&&(ArrayBuffer.isView(e)||e instanceof ArrayBuffer))return e.byteLength;"string"!=typeof e&&(e=""+e);var n=e.length;if(0===n)return 0;for(var r=!1;;)switch(t){case"ascii":case"latin1":case"binary":return n;case"utf8":case"utf-8":case void 0:return H(e).length;case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return 2*n;case"hex":return n>>>1;case"base64":return W(e).length;default:if(r)return H(e).length;t=(""+t).toLowerCase(),r=!0}}function v(e,t,n){var r=!1;if((void 0===t||t<0)&&(t=0),t>this.length)return"";if((void 0===n||n>this.length)&&(n=this.length),n<=0)return"";if(n>>>=0,t>>>=0,n<=t)return"";for(e||(e="utf8");;)switch(e){case"hex":return L(this,t,n);case"utf8":case"utf-8":return T(this,t,n);case"ascii":return I(this,t,n);case"latin1":case"binary":return D(this,t,n);case"base64":return k(this,t,n);case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return M(this,t,n);default:if(r)throw new TypeError("Unknown encoding: "+e);e=(e+"").toLowerCase(),r=!0}}function b(e,t,n){var r=e[t];e[t]=e[n],e[n]=r}function w(e,t,n,r,i){if(0===e.length)return-1;if("string"==typeof n?(r=n,n=0):n>2147483647?n=2147483647:n<-2147483648&&(n=-2147483648),n=+n,isNaN(n)&&(n=i?0:e.length-1),n<0&&(n=e.length+n),n>=e.length){if(i)return-1;n=e.length-1}else if(n<0){if(!i)return-1;n=0}if("string"==typeof t&&(t=o.from(t,r)),o.isBuffer(t))return 0===t.length?-1:_(e,t,n,r,i);if("number"==typeof t)return t=255&t,o.TYPED_ARRAY_SUPPORT&&"function"==typeof Uint8Array.prototype.indexOf?i?Uint8Array.prototype.indexOf.call(e,t,n):Uint8Array.prototype.lastIndexOf.call(e,t,n):_(e,[t],n,r,i);throw new TypeError("val must be string, number or Buffer")}function _(e,t,n,r,i){function a(e,t){return 1===o?e[t]:e.readUInt16BE(t*o)}var o=1,s=e.length,l=t.length;if(void 0!==r&&(r=String(r).toLowerCase(),"ucs2"===r||"ucs-2"===r||"utf16le"===r||"utf-16le"===r)){if(e.length<2||t.length<2)return-1;o=2,s/=2,l/=2,n/=2}var u;if(i){var c=-1;for(u=n;u<s;u++)if(a(e,u)===a(t,c===-1?0:u-c)){if(c===-1&&(c=u),u-c+1===l)return c*o}else c!==-1&&(u-=u-c),c=-1}else for(n+l>s&&(n=s-l),u=n;u>=0;u--){for(var p=!0,h=0;h<l;h++)if(a(e,u+h)!==a(t,h)){p=!1;break}if(p)return u}return-1}function x(e,t,n,r){n=Number(n)||0;var i=e.length-n;r?(r=Number(r),r>i&&(r=i)):r=i;var a=t.length;if(a%2!==0)throw new TypeError("Invalid hex string");r>a/2&&(r=a/2);for(var o=0;o<r;++o){var s=parseInt(t.substr(2*o,2),16);if(isNaN(s))return o;e[n+o]=s}return o}function A(e,t,n,r){return Q(H(t,e.length-n),e,n,r)}function S(e,t,n,r){return Q(Y(t),e,n,r)}function j(e,t,n,r){return S(e,t,n,r)}function E(e,t,n,r){return Q(W(t),e,n,r)}function O(e,t,n,r){return Q(J(t,e.length-n),e,n,r)}function k(e,t,n){return 0===t&&n===e.length?K.fromByteArray(e):K.fromByteArray(e.slice(t,n))}function T(e,t,n){n=Math.min(e.length,n);for(var r=[],i=t;i<n;){var a=e[i],o=null,s=a>239?4:a>223?3:a>191?2:1;if(i+s<=n){var l,u,c,p;switch(s){case 1:a<128&&(o=a);break;case 2:l=e[i+1],128===(192&l)&&(p=(31&a)<<6|63&l,p>127&&(o=p));break;case 3:l=e[i+1],u=e[i+2],128===(192&l)&&128===(192&u)&&(p=(15&a)<<12|(63&l)<<6|63&u,p>2047&&(p<55296||p>57343)&&(o=p));break;case 4:l=e[i+1],u=e[i+2],c=e[i+3],128===(192&l)&&128===(192&u)&&128===(192&c)&&(p=(15&a)<<18|(63&l)<<12|(63&u)<<6|63&c,p>65535&&p<1114112&&(o=p))}}null===o?(o=65533,s=1):o>65535&&(o-=65536,r.push(o>>>10&1023|55296),o=56320|1023&o),r.push(o),i+=s}return C(r)}function C(e){var t=e.length;if(t<=ee)return String.fromCharCode.apply(String,e);for(var n="",r=0;r<t;)n+=String.fromCharCode.apply(String,e.slice(r,r+=ee));return n}function I(e,t,n){var r="";n=Math.min(e.length,n);for(var i=t;i<n;++i)r+=String.fromCharCode(127&e[i]);return r}function D(e,t,n){var r="";n=Math.min(e.length,n);for(var i=t;i<n;++i)r+=String.fromCharCode(e[i]);return r}function L(e,t,n){var r=e.length;(!t||t<0)&&(t=0),(!n||n<0||n>r)&&(n=r);for(var i="",a=t;a<n;++a)i+=V(e[a]);return i}function M(e,t,n){for(var r=e.slice(t,n),i="",a=0;a<r.length;a+=2)i+=String.fromCharCode(r[a]+256*r[a+1]);return

i}function R(e,t,n){if(e%1!==0||e<0)throw new RangeError("offset is not uint");if(e+t>n)throw new RangeError("Trying to access beyond buffer length")}function U(e,t,n,r,i,a){if(!o.isBuffer(e))throw new TypeError('"buffer" argument must be a Buffer instance');if(t>i||t<a)throw new RangeError('"value" argument is out of bounds');if(n+r>e.length)throw new RangeError("Index out of range")}function P(e,t,n,r){t<0&&(t=65535+t+1);for(var i=0,a=Math.min(e.length-n,2);i<a;++i)e[n+i]=(t&255<<8*(r?i:1-i))>>>8*(r?i:1-i)}function q(e,t,n,r){t<0&&(t=4294967295+t+1);for(var i=0,a=Math.min(e.length-n,4);i<a;++i)e[n+i]=t>>>8*(r?i:3-i)&255}function B(e,t,n,r,i,a){if(n+r>e.length)throw new RangeError("Index out of range");if(n<0)throw new RangeError("Index out of range")}function N(e,t,n,r,i){return i||B(e,t,n,4,3.4028234663852886e38,-3.4028234663852886e38),X.write(e,t,n,r,23,4),n+4}function z(e,t,n,r,i){return i||B(e,t,n,8,1.7976931348623157e308,-1.7976931348623157e308),X.write(e,t,n,r,52,8),n+8}function $(e){if(e=F(e).replace(te,""),e.length<2)return"";for(;e.length%4!==0;)e+="=";return e}function F(e){return e.trim?e.trim():e.replace(/^\s+|\s+$/g,"")}function V(e){return e<16?"0"+e.toString(16):e.toString(16)}function H(e,t){t=t||1/0;for(var n,r=e.length,i=null,a=[],o=0;o<r;++o){if(n=e.charCodeAt(o),n>55295&&n<57344){if(!i){if(n>56319){(t-=3)>-1&&a.push(239,191,189);continue}if(o+1===r){(t-=3)>-1&&a.push(239,191,189);continue}i=n;continue}if(n<56320){(t-=3)>-1&&a.push(239,191,189),i=n;continue}n=(i-55296<<10|n-56320)+65536}else i&&(t-=3)>-1&&a.push(239,191,189);if(i=null,n<128){if((t-=1)<0)break;a.push(n)}else if(n<2048){if((t-=2)<0)break;a.push(n>>6|192,63&n|128)}else if(n<65536){if((t-=3)<0)break;a.push(n>>12|224,n>>6&63|128,63&n|128)}else{if(!(n<1114112))throw new Error("Invalid code point");if((t-=4)<0)break;a.push(n>>18|240,n>>12&63|128,n>>6&63|128,63&n|128)}}return a}function Y(e){for(var t=[],n=0;n<e.length;++n)t.push(255&e.charCodeAt(n));return t}function J(e,t){for(var n,r,i,a=[],o=0;o<e.length&&!((t-=2)<0);++o)n=e.charCodeAt(o),r=n>>8,i=n%256,a.push(i),a.push(r);return a}function W(e){return K.toByteArray($(e))}function Q(e,t,n,r){for(var i=0;i<r&&!(i+n>=t.length||i>=e.length);++i)t[i+n]=e[i];return i}function G(e){return e!==e}var K=e("base64-js"),X=e("ieee754"),Z=e("isarray");n.Buffer=o,n.SlowBuffer=g,n.INSPECT_MAX_BYTES=50,o.TYPED_ARRAY_SUPPORT=void 0!==t.TYPED_ARRAY_SUPPORT?t.TYPED_ARRAY_SUPPORT:r(),n.kMaxLength=i(),o.poolSize=8192,o._augment=function(e){return e.__proto__=o.prototype,e},o.from=function(e,t,n){return s(null,e,t,n)},o.TYPED_ARRAY_SUPPORT&&(o.prototype.__proto__=Uint8Array.prototype,o.__proto__=Uint8Array,"undefined"!=typeof Symbol&&Symbol.species&&o[Symbol.species]===o&&Object.defineProperty(o,Symbol.species,{value:null,configurable:!0})),o.alloc=function(e,t,n){return u(null,e,t,n)},o.allocUnsafe=function(e){return c(null,e)},o.allocUnsafeSlow=function(e){return c(null,e)},o.isBuffer=function(e){return!(null==e||!e._isBuffer)},o.compare=function(e,t){if(!o.isBuffer(e)||!o.isBuffer(t))throw new TypeError("Arguments must be Buffers");if(e===t)return 0;for(var n=e.length,r=t.length,i=0,a=Math.min(n,r);i<a;++i)if(e[i]!==t[i]){n=e[i],r=t[i];break}return n<r?-1:r<n?1:0},o.isEncoding=function(e){switch(String(e).toLowerCase()){case"hex":case"utf8":case"utf-8":case"ascii":case"latin1":case"binary":case"base64":case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return!0;default:return!1}},o.concat=function(e,t){if(!Z(e))throw new TypeError('"list" argument must be an Array of Buffers');if(0===e.length)return o.alloc(0);var n;if(void 0===t)for(t=0,n=0;n<e.length;++n)t+=e[n].length;var r=o.allocUnsafe(t),i=0;for(n=0;n<e.length;++n){var a=e[n];if(!o.isBuffer(a))throw new TypeError('"list" argument must be an Array of Buffers');a.copy(r,i),i+=a.length}return r},o.byteLength=y,o.prototype._isBuffer=!0,o.prototype.swap16=function(){var e=this.length;if(e%2!==0)throw new RangeError("Buffer size must be a multiple of 16-bits");for(var t=0;t<e;t+=2)b(this,t,t+1);return this},o.prototype.swap32=function(){var e=this.length;if(e%4!==0)throw new RangeError("Buffer size must be a multiple of 32-bits");for(var t=0;t<e;t+=4)b(this,t,t+3),b(this,t+1,t+2);return this},o.prototype.swap64=function(){var e=this.length;if(e%8!==0)throw new RangeError("Buffer size must be a

multiple of 64-bits");for(var t=0;t<e;t+=8)b(this,t,t+7),b(this,t+1,t+6),b(this,t+2,t+5),b(this,t+3,t+4);return this},o.prototype.toString=function(){var e=0|this.length;return 0===e?"":0===arguments.length?T(this,0,e):v.apply(this,arguments)},o.prototype.equals=function(e){if(!o.isBuffer(e))throw new TypeError("Argument must be a Buffer");return this===e||0===o.compare(this,e)},o.prototype.inspect=function(){var e="",t=n.INSPECT_MAX_BYTES;return this.length>0&&(e=this.toString("hex",0,t).match(/.{2}/g).join(" "),this.length>t&&(e+=" ... ")),"<Buffer "+e+">"},o.prototype.compare=function(e,t,n,r,i){if(!o.isBuffer(e))throw new TypeError("Argument must be a Buffer");if(void 0===t&&(t=0),void 0===n&&(n=e?e.length:0),void 0===r&&(r=0),void 0===i&&(i=this.length),t<0||n>e.length||r<0||i>this.length)throw new RangeError("out of range index");if(r>=i&&t>=n)return 0;if(r>=i)return-1;if(t>=n)return 1;if(t>>>=0,n>>>=0,r>>>=0,i>>>=0,this===e)return 0;for(var a=i-r,s=n-t,l=Math.min(a,s),u=this.slice(r,i),c=e.slice(t,n),p=0;p<l;++p)if(u[p]!==c[p]){a=u[p],s=c[p];break}return a<s?-1:s<a?1:0},o.prototype.includes=function(e,t,n){return this.indexOf(e,t,n)!==-1},o.prototype.indexOf=function(e,t,n){return w(this,e,t,n,!0)},o.prototype.lastIndexOf=function(e,t,n){return w(this,e,t,n,!1)},o.prototype.write=function(e,t,n,r){if(void 0===t)r="utf8",n=this.length,t=0;else if(void 0===n&&"string"==typeof t)r=t,n=this.length,t=0;else{if(!isFinite(t))throw new Error("Buffer.write(string, encoding, offset[, length]) is no longer supported");t=0|t,isFinite(n)?(n=0|n,void 0===r&&(r="utf8")):(r=n,n=void 0)}var i=this.length-t;if((void 0===n||n>i)&&(n=i),e.length>0&&(n<0||t<0)||t>this.length)throw new RangeError("Attempt to write outside buffer bounds");r||(r="utf8");for(var a=!1;;)switch(r){case"hex":return x(this,e,t,n);case"utf8":case"utf-8":return A(this,e,t,n);case"ascii":return S(this,e,t,n);case"latin1":case"binary":return j(this,e,t,n);case"base64":return E(this,e,t,n);case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return O(this,e,t,n);default:if(a)throw new TypeError("Unknown encoding: "+r);r=(""+r).toLowerCase(),a=!0}},o.prototype.toJSON=function(){return{type:"Buffer",data:Array.prototype.slice.call(this._arr||this,0)}};var ee=4096;o.prototype.slice=function(e,t){var n=this.length;e=~~e,t=void 0===t?n:~~t,e<0?(e+=n,e<0&&(e=0)):e>n&&(e=n),t<0?(t+=n,t<0&&(t=0)):t>n&&(t=n),t<e&&(t=e);var r;if(o.TYPED_ARRAY_SUPPORT)r=this.subarray(e,t),r.__proto__=o.prototype;else{var i=t-e;r=new o(i,(void 0 0));for(var a=0;a<i;++a)r[a]=this[a+e]}return r},o.prototype.readUIntLE=function(e,t,n){e=0|e,t=0|t,n||R(e,t,this.length);for(var r=this[e],i=1,a=0;++a<t&&(i*=256);)r+=this[e+a]*i;return r},o.prototype.readUIntBE=function(e,t,n){e=0|e,t=0|t,n||R(e,t,this.length);for(var r=this[e+--t],i=1;t>0&&(i*=256);)r+=this[e+--t]*i;return r},o.prototype.readUInt8=function(e,t){return t||R(e,1,this.length),this[e]},o.prototype.readUInt16LE=function(e,t){return t||R(e,2,this.length),this[e]|this[e+1]<<8},o.prototype.readUInt16BE=function(e,t){return t||R(e,2,this.length),this[e]<<8|this[e+1]},o.prototype.readUInt32LE=function(e,t){return t||R(e,4,this.length),(this[e]|this[e+1]<<8|this[e+2]<<16)+16777216*this[e+3]},o.prototype.readUInt32BE=function(e,t){return t||R(e,4,this.length),16777216*this[e]+(this[e+1]<<16|this[e+2]<<8|this[e+3])},o.prototype.readIntLE=function(e,t,n){e=0|e,t=0|t,n||R(e,t,this.length);for(var r=this[e],i=1,a=0;++a<t&&(i*=256);)r+=this[e+a]*i;return i*=128,r>=i&&(r-=Math.pow(2,8*t)),r},o.prototype.readIntBE=function(e,t,n){e=0|e,t=0|t,n||R(e,t,this.length);for(var r=t,i=1,a=this[e+--r];r>0&&(i*=256);)a+=this[e+--r]*i;return i*=128,a>=i&&(a-=Math.pow(2,8*t)),a},o.prototype.readInt8=function(e,t){return t||R(e,1,this.length),128&this[e]?(255-this[e]+1)*-1:this[e]},o.prototype.readInt16LE=function(e,t){t||R(e,2,this.length);var n=this[e]|this[e+1]<<8;return 32768&n?4294901760|n:n},o.prototype.readInt16BE=function(e,t){t||R(e,2,this.length);var n=this[e+1]|this[e]<<8;return 32768&n?4294901760|n:n},o.prototype.readInt32LE=function(e,t){return t||R(e,4,this.length),this[e]|this[e+1]<<8|this[e+2]<<16|this[e+3]<<24},o.prototype.readInt32BE=function(e,t){return t||R(e,4,this.length),this[e]<<24|this[e+1]<<16|this[e+2]<<8|this[e+3]},o.prototype.readFloatLE=function(e,t){return

t||R(e,4,this.length),X.read(this,e,!0,23,4)},o.prototype.readFloatBE=function(e,t){return t||R(e,4,this.length),X.read(this,e,!1,23,4)},o.prototype.readDoubleLE=function(e,t){return t||R(e,8,this.length),X.read(this,e,!0,52,8)},o.prototype.readDoubleBE=function(e,t){ return t||R(e,8,this.length),X.read(this,e,!1,52,8)},o.prototype.writeUIntLE=function(e,t,n,r){if(e=+e,t=0|t,n=0|n,!r){var i=Math.pow(2,8*n)-1;U(this,e,t,n,i,0)}var a=1,o=0;for(this[t]=255&e;++o<n&&(a*=256);)this[t+o]=e/a&255;return t+n},o.prototype.writeUIntBE=function(e,t,n,r){if(e=+e,t=0|t,n=0|n,!r){var i=Math.pow(2,8*n)-1;U(this,e,t,n,i,0)}var a=n-1,o=1;for(this[t+a]=255&e;--a>=0&&(o*=256);)this[t+a]=e/o&255;return t+n},o.prototype.writeUInt8=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,1,255,0),o.TYPED_ARRAY_SUPPORT||(e=Math.floor(e)),this[t]=255&e,t+1},o.prototype. writeUInt16LE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,2,65535,0),o.TYPED_ARRAY_SUPPORT?(this[t]=255&e,this[t+1]=e>>>8):P(this,e,t,!0),t+2},o.prototype.writeUInt16BE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,2,65535,0),o.TYPED_ARRAY_SUPPORT?(this[t]=e>>>8,this[t+1]=255&e):P(this,e,t,!1),t+2},o.prototype.writeUInt32LE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,4,4294967295,0),o.TYPED_ARRAY_SUPPORT?(this[t+3]=e>>>24,this[t+2]=e>>>16,this[t+1]=e>>>8,this[t]=255&e):q(this,e,t,!0),t+4},o.prototype.writeUInt32BE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,4,4294967295,0),o.TYPED_ARRAY_SUPPORT?(this[t]=e>>>24,this[t+1]=e>>>16,this[t+2]=e>>>8,this[t+3]=255&e):q(this,e,t,!1),t+4},o.prototype.writeIntLE=function(e,t,n,r){if(e=+e,t=0|t,!r){var i=Math.pow(2,8*n-1);U(this,e,t,n,i-1,-i)}var a=0,o=1,s=0;for(this[t]=255&e;++a<n&&(o*=256);)e<0&&0===s&&0!==this[t+a-1]&&(s=1),this[t+a]=(e/o>>0)-s&255;return t+n},o.prototype.writeIntBE=function(e,t,n,r){if(e=+e,t=0|t,!r){var i=Math.pow(2,8*n-1);U(this,e,t,n,i-1,-i)}var a=n-1,o=1,s=0;for(this[t+a]=255&e;--a>=0&&(o*=256);)e<0&&0===s&&0!==this[t+a+1]&&(s=1),this[t+a]=(e/o>>0)-s&255;return t+n},o.prototype.writeInt8=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,1,127,-128),o.TYPED_ARRAY_SUPPORT||(e=Math.floor(e)),e<0&&(e=255+e+1),this[t]=255&e,t+1},o.prototype.writeInt16LE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,2,32767,-32768),o.TYPED_ARRAY_SUPPORT?(this[t]=255&e,this[t+1]=e>>>8):P(this,e,t,!0),t+2},o.prototype.writeInt16BE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,2,32767,-32768),o.TYPED_ARRAY_SUPPORT?(this[t]=e>>>8,this[t+1]=255&e):P(this,e,t,!1),t+2},o.prototype.writeInt32LE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,4,2147483647,-2147483648),o.TYPED_ARRAY_SUPPORT?(this[t]=255&e,this[t+1]=e>>>8,this[t+2]=e>>>16,this[t+3]=e>>>24):q(this,e,t,!0),t+4},o.prototype.writeInt32BE=function(e,t,n){return e=+e,t=0|t,n||U(this,e,t,4,2147483647,-2147483648),e<0&&(e=4294967295+e+1),o.TYPED_ARRAY_SUPPORT?(this[t]=e>>>24,this[t+1]=e>>>16,this[t+2]=e>>>8,this[t+3]=255&e):q(this,e,t,!1),t+4},o.prototype.writeFloatLE=function(e,t,n){return N(this,e,t,!0,n)},o.prototype.writeFloatBE=function(e,t,n){return N(this,e,t,!1,n)},o.prototype.writeDoubleLE=function(e,t,n){return z(this,e,t,!0,n)},o.prototype.writeDoubleBE=function(e,t,n){return z(this,e,t,!1,n)},o.prototype.copy=function(e,t,n,r){if(n||(n=0),r||0===r||(r=this.length),t>=e.length&&(t=e.length),t||(t=0),r>0&&r<n&&(r=n),r===n)return 0;if(0===e.length||0===this.length)return 0;if(t<0)throw new RangeError("targetStart out of bounds");if(n<0||n>=this.length)throw new RangeError("sourceStart out of bounds");if(r<0)throw new RangeError("sourceEnd out of bounds");r>this.length&&(r=this.length),e.length-t<r-n&&(r=e.length-t+n);var i,a=r-n;if(this===e&&n<t&&t<r)for(i=a-1;i>=0;--i)e[i+t]=this[i+n];else if(a<1e3||!o.TYPED_ARRAY_SUPPORT)for(i=0;i<a;++i)e[i+t]=this[i+n];else Uint8Array.prototype.set.call(e,this.subarray(n,n+a),t);return a},o.prototype.fill=function(e,t,n,r){if("string"==typeof e){if("string"==typeof t?(r=t,t=0,n=this.length):"string"==typeof n&&(r=n,n=this.length),1===e.length){var i=e.charCodeAt(0);i<256&&(e=i)}if(void 0!==r&&"string"!=typeof r)throw new TypeError("encoding must be a

string");if("string"==typeof r&&!o.isEncoding(r))throw new TypeError("Unknown encoding: "+r)}else"number"==typeof e&&(e=255&e);if(t<0||this.length<t||this.length<n)throw new RangeError("Out of range index");if(n<=t)return this;t>>>=0,n=void 0===n?this.length:n>>>0,e||(e=0);var a;if("number"==typeof e)for(a=t;a<n;++a)this[a]=e;else{var s=o.isBuffer(e)?e:H(new o(e,r).toString()),l=s.length;for(a=0;a<n-t;++a)this[a+t]=s[a%l]}return this};var te=/[^+\/0-9A-Za-z-_]/g}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{"base64-js":2,ieee754:37,isarray:40}],6:[function(e,t,n){(function(e){function t(e){return Array.isArray?Array.isArray(e):"[object Array]"===g(e)}function r(e){return"boolean"==typeof e}function i(e){return null===e}function a(e){return null==e}function o(e){return"number"==typeof e}function s(e){return"string"==typeof e}function l(e){return"symbol"==typeof e}function u(e){return void 0===e}function c(e){return"[object RegExp]"===g(e)}function p(e){return"object"==typeof e&&null!==e}function h(e){return"[object Date]"===g(e)}function f(e){return"[object Error]"===g(e)||e instanceof Error}function d(e){return"function"==typeof e}function m(e){return null===e||"boolean"==typeof e||"number"==typeof e||"string"==typeof e||"symbol"==typeof e||"undefined"==typeof e}function g(e){return Object.prototype.toString.call(e)}n.isArray=t,n.isBoolean=r,n.isNull=i,n.isNullOrUndefined=a,n.isNumber=o,n.isString=s,n.isSymbol=l,n.isUndefined=u,n.isRegExp=c,n.isObject=p,n.isDate=h,n.isError=f,n.isFunction=d,n.isPrimitive=m,n.isBuffer=e.isBuffer}).call(this,{isBuffer:e("../../is-buffer/index.js")})},{"../../is-buffer/index.js":39}],7:[function(e,t,n){function r(e,t){if(e){var n,r="";for(var i in e)n=e[i],r&&(r+=" "),r+=!n&&p[i]?i:i+'="'+(t.decodeEntities?c.encodeXML(n):n)+'"';return r}}function i(e,t){"svg"===e.name&&(t={decodeEntities:t.decodeEntities,xmlMode:!0});var n="<"+e.name,i=r(e.attribs,t);return i&&(n+=" "+i),!t.xmlMode||e.children&&0!==e.children.length?(n+=">",e.children&&(n+=d(e.children,t)),f[e.name]&&!t.xmlMode||(n+="</"+e.name+">")):n+="/>",n}function a(e){return"<"+e.data+">"}function o(e,t){var n=e.data||"";return!t.decodeEntities||e.parent&&e.parent.name in h||(n=c.encodeXML(n)),n}function s(e){return"<![CDATA["+e.children[0].data+"]]>"}function l(e){return"<!--"+e.data+"-->"}var u=e("domelementtype"),c=e("entities"),p={__proto__:null,allowfullscreen:!0,async:!0,autofocus:!0,autoplay:!0,checked:!0,controls:!0,"default":!0,defer:!0,disabled:!0,hidden:!0,ismap:!0,loop:!0,multiple:!0,muted:!0,open:!0,readonly:!0,required:!0,reversed:!0,scoped:!0,seamless:!0,selected:!0,typemustmatch:!0},h={__proto__:null,style:!0,script:!0,xmp:!0,iframe:!0,noembed:!0,noframes:!0,plaintext:!0,noscript:!0},f={__proto__:null,area:!0,base:!0,basefont:!0,br:!0,col:!0,command:!0,embed:!0,frame:!0,hr:!0,img:!0,input:!0,isindex:!0,keygen:!0,link:!0,meta:!0,param:!0,source:!0,track:!0,wbr:!0},d=t.exports=function(e,t){Array.isArray(e)||e.cheerio||(e=[e]),t=t||{};for(var n="",r=0;r<e.length;r++){var c=e[r];n+="root"===c.type?d(c.children,t):u.isTag(c)?i(c,t):c.type===u.Directive?a(c):c.type===u.Comment?l(c):c.type===u.CDATA?s(c):o(c,t)}return n}},{domelementtype:8,entities:20}],8:[function(e,t,n){t.exports={Text:"text",Directive:"directive",Comment:"comment",Script:"script",Style:"style",Tag:"tag",CDATA:"cdata",isTag:function(e){return"tag"===e.type||"script"===e.type||"style"===e.type}}},{}],9:[function(e,t,n){t.exports={Text:"text",Directive:"directive",Comment:"comment",Script:"script",Style:"style",Tag:"tag",CDATA:"cdata",Doctype:"doctype",isTag:function(e){return"tag"===e.type||"script"===e.type||"style"===e.type}}},{}],10:[function(e,t,n){function r(e,t,n){"object"==typeof e?(n=t,t=e,e=null):"function"==typeof t&&(n=t,t=l),this._callback=e,this._options=t||l,this._elementCB=n,this.dom=[],this._done=!1,this._tagStack=[],this._parser=this._parser||null}var i=e("domelementtype"),a=/\s+/g,o=e("./lib/node"),s=e("./lib/element"),l={normalizeWhitespace:!1,withStartIndices:!1};r.prototype.onparserinit=function(e){this._parser=e},r.prototype.onreset=function(){r.call(this,this._callback,this._options,this._elementCB)},r.prototype.onend=function(){this._done||(this._done=!0,this._parser=null,this._handleCallback(null))},r.prototype._handleCallback=r.prototype.onerror=function(e){if("function"==typeof this._callback)this._callback(e,this.dom);else if(e)throw e},r.prototype.onclosetag=function(){var e=this._tagStack.pop();this._elementCB&&this._elementCB(e)},r.prototype._addDomElement=function(e){var

t=this._tagStack[this._tagStack.length-1],n=t?t.children:this.dom,r=n[n.length-1];e.next=null,this._options.withStartIndices&&(e.startIndex=this._parser.startIndex),this._options.withDomLvl1&&(e.__proto__="tag"===e.type?s:o),r?(e.prev=r,r.next=e):e.prev=null,n.push(e),e.parent=t||null},r.prototype.onopentag=function(e,t){var n={type:"script"===e?i.Script:"style"===e?i.Style:i.Tag,name:e,attribs:t,children:[]};this._addDomElement(n),this._tagStack.push(n)},r.prototype.ontext=function(e){var t,n=this._options.normalizeWhitespace||this._options.ignoreWhitespace;!this._tagStack.length&&this.dom.length&&(t=this.dom[this.dom.length-1]).type===i.Text?n?t.data=(t.data+e).replace(a," "):t.data+=e:this._tagStack.length&&(t=this._tagStack[this._tagStack.length-1])&&(t=t.children[t.children.length-1])&&t.type===i.Text?n?t.data=(t.data+e).replace(a," "):t.data+=e:(n&&(e=e.replace(a," ")),this._addDomElement({data:e,type:i.Text}))},r.prototype.oncomment=function(e){var t=this._tagStack[this._tagStack.length-1];if(t&&t.type===i.Comment)return void(t.data+=e);var n={data:e,type:i.Comment};this._addDomElement(n),this._tagStack.push(n)},r.prototype.oncdatastart=function(){var e={children:[{data:"",type:i.Text}],type:i.CDATA};this._addDomElement(e),this._tagStack.push(e)},r.prototype.oncommentend=r.prototype.oncdataend=function(){this._tagStack.pop()},r.prototype.onprocessinginstruction=function(e,t){this._addDomElement({name:e,data:t,type:i.Directive})},t.exports=r},{"./lib/element":11,"./lib/node":12,domelementtype:9}],11:[function(e,t,n){var r=e("./node"),i=t.exports=Object.create(r),a={tagName:"name"};Object.keys(a).forEach(function(e){var t=a[e];Object.defineProperty(i,e,{get:function(){return this[t]||null},set:function(e){return this[t]=e,e}})})},{"./node":12}],12:[function(e,t,n){var r=t.exports={get firstChild(){var e=this.children;return e&&e[0]||null},get lastChild(){var e=this.children;return e&&e[e.length-1]||null},get nodeType(){return a[this.type]||a.element}},i={tagName:"name",childNodes:"children",parentNode:"parent",previousSibling:"prev",nextSibling:"next",nodeValue:"data"},a={element:1,text:3,cdata:4,comment:8};Object.keys(i).forEach(function(e){var t=i[e];Object.defineProperty(r,e,{get:function(){return this[t]||null},set:function(e){return this[t]=e,e}})})},{}],13:[function(e,t,n){var r=t.exports;[e("./lib/stringify"),e("./lib/traversal"),e("./lib/manipulation"),e("./lib/querying"),e("./lib/legacy"),e("./lib/helpers")].forEach(function(e){Object.keys(e).forEach(function(t){r[t]=e[t].bind(r)})})},{"./lib/helpers":14,"./lib/legacy":15,"./lib/manipulation":16,"./lib/querying":17,"./lib/stringify":18,"./lib/traversal":19}],14:[function(e,t,n){n.removeSubsets=function(e){for(var t,n,r,i=e.length;--i>-1;){for(t=n=e[i],e[i]=null,r=!0;n;){if(e.indexOf(n)>-1){r=!1,e.splice(i,1);break}n=n.parent}r&&(e[i]=t)}return e};var r={DISCONNECTED:1,PRECEDING:2,FOLLOWING:4,CONTAINS:8,CONTAINED_BY:16},i=n.compareDocumentPosition=function(e,t){var n,i,a,o,s,l,u=[],c=[];if(e===t)return 0;for(n=e;n;)u.unshift(n),n=n.parent;for(n=t;n;)c.unshift(n),n=n.parent;for(l=0;u[l]===c[l];)l++;return 0===l?r.DISCONNECTED:(i=u[l-1],a=i.children,o=u[l],s=c[l],a.indexOf(o)>a.indexOf(s)?i===t?r.FOLLOWING|r.CONTAINED_BY:r.FOLLOWING:i===e?r.PRECEDING|r.CONTAINS:r.PRECEDING)};n.uniqueSort=function(e){var t,n,a=e.length;for(e=e.slice();--a>-1;)t=e[a],n=e.indexOf(t),n>-1&&n<a&&e.splice(a,1);return e.sort(function(e,t){var n=i(e,t);return n&r.PRECEDING?-1:n&r.FOLLOWING?1:0})}},{}],15:[function(e,t,n){function r(e,t){return"function"==typeof t?function(n){return n.attribs&&t(n.attribs[e])}:function(n){return n.attribs&&n.attribs[e]===t}}function i(e,t){return function(n){return e(n)||t(n)}}var a=e("domelementtype"),o=n.isTag=a.isTag;n.testElement=function(e,t){for(var n in e)if(e.hasOwnProperty(n))if("tag_name"===n){if(!o(t)||!e.tag_name(t.name))return!1}else if("tag_type"===n){if(!e.tag_type(t.type))return!1}else if("tag_contains"===n){if(o(t)||!e.tag_contains(t.data))return!1}else if(!t.attribs||!e[n](t.attribs[n]))return!1;else;return!0};var s={tag_name:function(e){return"function"==typeof e?function(t){return o(t)&&e(t.name)}:"*"===e?o:function(t){return

o(t)&&t.name===e}},tag_type:function(e){return"function"==typeof e?function(t){return e(t.type)}:function(t){return t.type===e}},tag_contains:function(e){return"function"==typeof e?function(t){return!o(t)&&e(t.data)}:function(t){return!o(t)&&t.data===e}}};n.getElements=function(e,t,n,a){var o=Object.keys(e).map(function(t){var n=e[t];return t in s?s[t](n):r(t,n)});return 0===o.length?[]:this.filter(o.reduce(i),t,n,a)},n.getElementById=function(e,t,n){return Array.isArray(t)||(t=[t]),this.findOne(r("id",e),t,n!==!1)},n.getElementsByTagName=function(e,t,n,r){return this.filter(s.tag_name(e),t,n,r)},n.getElementsByTagType=function(e,t,n,r){return this.filter(s.tag_type(e),t,n,r)}},{domelementtype:9}],16:[function(e,t,n){n.removeElement=function(e){if(e.prev&&(e.prev.next=e.next),e.next&&(e.next.prev=e.prev),e.parent){var t=e.parent.children;t.splice(t.lastIndexOf(e),1)}},n.replaceElement=function(e,t){var n=t.prev=e.prev;n&&(n.next=t);var r=t.next=e.next;r&&(r.prev=t);var i=t.parent=e.parent;if(i){var a=i.children;a[a.lastIndexOf(e)]=t}},n.appendChild=function(e,t){if(t.parent=e,1!==e.children.push(t)){var n=e.children[e.children.length-2];n.next=t,t.prev=n,t.next=null}},n.append=function(e,t){var n=e.parent,r=e.next;if(t.next=r,t.prev=e,e.next=t,t.parent=n,r){if(r.prev=t,n){var i=n.children;i.splice(i.lastIndexOf(r),0,t)}}else n&&n.children.push(t)},n.prepend=function(e,t){var n=e.parent;if(n){var r=n.children;r.splice(r.lastIndexOf(e),0,t)}e.prev&&(e.prev.next=t),t.parent=n,t.prev=e.prev,t.next=e,e.prev=t}},{}],17:[function(e,t,n){function r(e,t,n,r){return Array.isArray(t)||(t=[t]),"number"==typeof r&&isFinite(r)||(r=1/0),i(e,t,n!==!1,r)}function i(e,t,n,r){for(var a,o=[],s=0,l=t.length;s<l&&!(e(t[s])&&(o.push(t[s]),--r<=0))&&(a=t[s].children,!(n&&a&&a.length>0&&(a=i(e,a,n,r),o=o.concat(a),r-=a.length,r<=0)));s++);return o}function a(e,t){for(var n=0,r=t.length;n<r;n++)if(e(t[n]))return t[n];return null}function o(e,t){for(var n=null,r=0,i=t.length;r<i&&!n;r++)u(t[r])&&(e(t[r])?n=t[r]:t[r].children.length>0&&(n=o(e,t[r].children)));return n}function s(e,t){for(var n=0,r=t.length;n<r;n++)if(u(t[n])&&(e(t[n])||t[n].children.length>0&&s(e,t[n].children)))return!0;return!1}function l(e,t){for(var n=[],r=0,i=t.length;r<i;r++)u(t[r])&&(e(t[r])&&n.push(t[r]),t[r].children.length>0&&(n=n.concat(l(e,t[r].children))));return n}var u=e("domelementtype").isTag;t.exports={filter:r,find:i,findOneChild:a,findOne:o,existsOne:s,findAll:l}},{domelementtype:9}],18:[function(e,t,n){function r(e,t){return e.children?e.children.map(function(e){return o(e,t)}).join(""):""}function i(e){return Array.isArray(e)?e.map(i).join(""):s(e)||e.type===a.CDATA?i(e.children):e.type===a.Text?e.data:""}var a=e("domelementtype"),o=e("dom-serializer"),s=a.isTag;t.exports={getInnerHTML:r,getOuterHTML:o,getText:i}},{"dom-serializer":7,domelementtype:9}],19:[function(e,t,n){var r=n.getChildren=function(e){return e.children},i=n.getParent=function(e){return e.parent};n.getSiblings=function(e){var t=i(e);return t?r(t):[e]},n.getAttributeValue=function(e,t){return e.attribs&&e.attribs[t]},n.hasAttrib=function(e,t){return!!e.attribs&&hasOwnProperty.call(e.attribs,t)},n.getName=function(e){return e.name}},{}],20:[function(e,t,n){var r=e("./lib/encode.js"),i=e("./lib/decode.js");n.decode=function(e,t){return(!t||t<=0?i.XML:i.HTML)(e)},n.decodeStrict=function(e,t){return(!t||t<=0?i.XML:i.HTMLStrict)(e)},n.encode=function(e,t){return(!t||t<=0?r.XML:r.HTML)(e)},n.encodeXML=r.XML,n.encodeHTML4=n.encodeHTML5=n.encodeHTML=r.HTML,n.decodeXML=n.decodeXMLStrict=i.XML,n.decodeHTML4=n.decodeHTML5=n.decodeHTML=i.HTML,n.decodeHTML4Strict=n.decodeHTML5Strict=n.decodeHTMLStrict=i.HTMLStrict,n.escape=r.escape},{"./lib/decode.js":21,"./lib/encode.js":23}],21:[function(e,t,n){function r(e){var t=Object.keys(e).join("|"),n=a(e);t+="|#[xX][\\da-fA-F]+|#\\d+";var r=new RegExp("&(?:"+t+");","g");return function(e){return String(e).replace(r,n)}}function i(e,t){return e<t?1:-1}function a(e){return function(t){return"#"===t.charAt(1)?u("X"===t.charAt(2)||"x"===t.charAt(2)?parseInt(t.substr(3),16):parseInt(t.sub

str(2),10)):e[t.slice(1,-1)]}}var o=e("../maps/entities.json"),s=e("../maps/legacy.json"),l=e("../maps/xml.json"),u=e("./decode_codepoint.js"),c=r(l),p=r(o),h=function(){function e(e){return";"!==e.substr(-1)&&(e+=";"),c(e)}for(var t=Object.keys(s).sort(i),n=Object.keys(o).sort(i),r=0,l=0;r<n.length;r++)t[l]===n[r]?(n[r]+=";?",l++):n[r]+=";";var u=new RegExp("&(?:"+n.join("|")+"|#[xX][\\da-fA-F]+;?|#\\d+;?)","g"),c=a(o);return function(t){return String(t).replace(u,e)}}();t.exports={XML:c,HTML:h,HTMLStrict:p}},{"../maps/entities.json":25,"../maps/legacy.json":26,"../maps/xml.json":27,"./decode_codepoint.js":22}],22:[function(e,t,n){function r(e){if(e>=55296&&e<=57343||e>1114111)return"";e in i&&(e=i[e]);var t="";return e>65535&&(e-=65536,t+=String.fromCharCode(e>>>10&1023|55296),e=56320|1023&e),t+=String.fromCharCode(e)}var i=e("../maps/decode.json");t.exports=r},{"../maps/decode.json":24}],23:[function(e,t,n){function r(e){return Object.keys(e).sort().reduce(function(t,n){return t[e[n]]="&"+n+";",t},{})}function i(e){var t=[],n=[];return Object.keys(e).forEach(function(e){1===e.length?t.push("\\"+e):n.push(e)}),n.unshift("["+t.join("")+"]"),new RegExp(n.join("|"),"g")}function a(e){return"&#x"+e.charCodeAt(0).toString(16).toUpperCase()+";"}function o(e){var t=e.charCodeAt(0),n=e.charCodeAt(1),r=1024*(t-55296)+n-56320+65536;return"&#x"+r.toString(16).toUpperCase()+";"}function s(e,t){function n(t){return e[t]}return function(e){return e.replace(t,n).replace(d,o).replace(f,a)}}function l(e){return e.replace(m,a).replace(d,o).replace(f,a)}var u=r(e("../maps/xml.json")),c=i(u);n.XML=s(u,c);var p=r(e("../maps/entities.json")),h=i(p);n.HTML=s(p,h);var f=/[^\0-\x7F]/g,d=/[\uD800-\uDBFF][\uDC00-\uDFFF]/g,m=i(u);n.escape=l},{"../maps/entities.json":25,"../maps/xml.json":27}],24:[function(e,t,n){t.exports={0:65533,128:8364,130:8218,131:402,132:8222,133:8230,134:8224,135:8225,136:710,137:8240,138:352,139:8249,140:338,142:381,145:8216,146:8217,147:8220,148:8221,149:8226,150:8211,151:8212,152:732,153:8482,154:353,155:8250,156:339,158:382,159:376}},{}],25:[function(e,t,n){t.exports={Aacute:"",aacute:"",Abreve:"",abreve:"",ac:"",acd:"",acE:"",Acirc:"",acirc:"",acute:"",Acy:"",acy:"",AElig:"",aelig:"",af:"",Afr:"",afr:"",Agrave:"",agrave:"",alefsym:"",aleph:"",Alpha:"",alpha:"",Amacr:"",amacr:"",amalg:"",amp:"&",AMP:"&",andand:"",And:"",and:"",andd:"",andslope:"",andv:"",ang:"",ange:"",angle:"",angmsdaa:"",angmsdab:"",angmsdac:"",angmsdad:"",angmsdae:"",angmsdaf:"",angmsdag:"",angmsdah:"",angmsd:"",angrt:"",angrtvb:"",angrtvbd:"",angsph:"",angst:"",angzarr:"",Aogon:"",aogon:"",Aopf:"",aopf:"",apacir:"",ap:"",apE:"",ape:"",apid:"",apos:"",ApplyFunction:"",approx:"",approxeq:"",Aring:"",aring:"",Ascr:"",ascr:"",Assign:"",ast:"*",asymp:"",asympeq:"",Atilde:"",atilde:"",Auml:"",auml:"",awconint:"",awint:"",backcong:"",backepsilon:"",backprime:"",backsim:"",backsimeq:"",Backslash:"",Barv:"",barvee:"",barwed:"",Barwed:"",barwedge:"",bbrk:"",bbrktbrk:"",bcong:"",Bcy:"",bcy:"",bdquo:"",becaus:"",because:"",Because:"",bemptyv:"",bepsi:"",bernou:"",Bernoullis:"",Beta:"",beta:"",beth:"",between:"",Bfr:"",bfr:"",bigcap:"",bigcirc:"",bigcup:"",bigodot:"",bigoplus:"",bigotimes:"",bigsqcup:"",bigstar:"",bigtriangledown:"",bigtriangleup:"",biguplus:"",bigvee:"",bigwedge:"",bkarow:"",blacklozenge:"",blacksquare:"",blacktriangle:"",blacktriangledown:"",blacktriangleleft:"",blacktriangleright:"",blank:"",blk12:"",blk14:"",blk34:"",block:"",bne:"=",bnequiv:"",bNot:"",bnot:"",Bopf:"",bopf:"",bot:"",bottom:"",bowtie:"",boxbox:"",boxdl:"",boxdL:"",boxDl:"",boxDL:"",boxdr:"",boxdR:"",boxDr:"",boxDR:"",boxh:"",boxH:"",boxhd:"",boxHd:"",boxhD:"",boxHD:"",boxhu:"",boxHu:"",boxhU:"",boxHU:"",boxminus:"",boxplus:"",boxtimes:"",boxul:"",boxuL:"",boxUl:"",boxUL:"",boxur:"",boxuR:"",boxUr:"",boxUR:"",boxv:"",boxV:"",boxvh:"",boxvH:"",boxVh:"",boxVH:"",boxvl:"",boxvL:"",boxVl:"",boxVL:"",boxvr:"",boxvR:"",boxVr:"",boxVR:"",bprime:"",breve:"",Breve:"",brvbar:"",bscr:"",Bscr:"",bsemi:"",bsim:"",bsime:"",bsolb:"",bsol:"\\",bsolhsub:"",bull:"",bullet:"",bump:"",bumpE:"",bumpe:"",Bumpeq:"",bumpeq:"",Cacute:"",cacute:"",capand:"",capbrcup:"",capcap:"",cap:"",Cap:"",capcup:"",capdot:"",CapitalDifferentialD:"",caps:"",caret:"",caron:"",Cayleys:"",ccaps:"",Ccaron:"",ccaron:"",Ccedil:"",ccedil:"",Ccirc:"",ccirc:"",Cconint:"",ccups:"",ccupssm:"",Cdot:"",cdot:"",cedil:"",Cedilla:"",cemptyv:"",cent:"",centerdot:"",CenterDot:"",cfr:"",Cfr:"",CHcy:"",chcy:"",check:"",checkmark:"",Chi:"",chi:"",circ:"",circeq:"",circlearrowleft:"",circlearrowright:"",circledast:"",circledcirc:"",circleddash:"",CircleDot:"",circledR:"",circledS:"",CircleMinus:"",CirclePlus:"",CircleTimes:"",cir:"",cirE:"",cire:"",cirfnint:"",cirmid:"",cirscir:"",ClockwiseContourIntegral:"",CloseCurlyDoubleQuote:"",CloseCurlyQuote:"",clubs:"",clubsuit:"",colon:":",Colon:"",Colone:"",colone:"",coloneq:"",comma:",",commat:"@",comp:"",compfn:"",complement:"",complexes:"",cong:"",congdot:"",Congruent:"",conint:"",Conint:"",ContourIntegral:"",copf:"",Copf:"",coprod:"",Coproduct:"",copy:"",COPY:

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Tcaron:"",tcaron:"",Tcedil:"",tcedil:"",Tcy:"",tcy:"",tdot:"",telrec:"",Tfr:"",tfr:"",there4:"",therefore:"",Therefore:"",Theta:"",theta:"",thetasym:"",thetav:"",thickapprox:"",thicksim:"",ThickSpace:"",ThinSpace:"",thinsp:"",thkap:"",thksim:"",THORN:"",thorn:"",tilde:"",Tilde:"",TildeEqual:"",TildeFullEqual:"",TildeTilde:"",timesbar:"",timesb:"",times:"",timesd:"",tint:"",toea:"",topbot:"",topcir:"",top:"",Topf:"",topf:"",topfork:"",tosa:"",tprime:"",trade:"",TRADE:"",triangle:"",triangledown:"",triangleleft:"",trianglelefteq:"",triangleq:"",triangleright:"",trianglerighteq:"",tridot:"",trie:"",triminus:"",TripleDot:"",triplus:"",trisb:"",tritime:"",trpezium:"",Tscr:"",tscr:"",TScy:"",tscy:"",TSHcy:"",tshcy:"",Tstrok:"",tstrok:"",twixt:"",twoheadleftarrow:"",twoheadrightarrow:"",Uacute:"",uacute:"",uarr:"",Uarr:"",uArr:"",Uarrocir:"",Ubrcy:"",ubrcy:"",Ubreve:"",ubreve:"",Ucirc:"",ucirc:"",Ucy:"",ucy:"",udarr:"",Udblac:"",udblac:"",udhar:"",ufisht:"",Ufr:"",ufr:"",Ugrave:"",ugrave:"",uHar:"",uharl:"",uharr:"",uhblk:"",ulcorn:"",ulcorner:"",ulcrop:"",ultri:"",Umacr:"",umacr:"",uml:"",UnderBar:"_",UnderBrace:"",UnderBracket:"",UnderParenthesis:"",Union:"",UnionPlus:"",Uogon:"",uogon:"",Uopf:"",uopf:"",UpArrowBar:"",uparrow:"",UpArrow:"",Uparrow:"",UpArrowDownArrow:"",updownarrow:"",UpDownArrow:"",Updownarrow:"",UpEquilibrium:"",upharpoonleft:"",upharpoonright:"",uplus:"",UpperLeftArrow:"",UpperRightArrow:"",upsi:"",Upsi:"",upsih:"",Upsilon:"",upsilon:"",UpTeeArrow:"",UpTee:"",upuparrows:"",urcorn:"",urcorner:"",urcrop:"",Uring:"",uring:"",urtri:"",Uscr:"",uscr:"",utdot:"",Utilde:"",utilde:"",utri:"",utrif:"",uuarr:"",Uuml:"",uuml:"",uwangle:"",vangrt:"",varepsilon:"",varkappa:"",varnothing:"",varphi:"",varpi:"",varpropto:"",varr:"",vArr:"",varrho:"",varsigma:"",varsubsetneq:"",varsubsetneqq:"",varsupsetneq:"",varsupsetneqq:"",vartheta:"",vartriangleleft:"",vartriangleright:"",vBar:"",Vbar:"",vBarv:"",Vcy:"",vcy:"",vdash:"",vDash:"",Vdash:"",VDash:"",Vdashl:"",veebar:"",vee:"",Vee:"",veeeq:"",vellip:"",verbar:"|",Verbar:"",vert:"|",Vert:"",VerticalBar:"",VerticalLine:"|",VerticalSeparator:"",VerticalTilde:"",VeryThinSpace:"",Vfr:"",vfr:"",vltri:"",vnsub:"",vnsup:"",Vopf:"",vopf:"",vprop:"",vrtri:"",Vscr:"",vscr:"",vsubnE:"",vsubne:"",vsupnE:"",vsupne:"",Vvdash:"",vzigzag:"",Wcirc:"",wcirc:"",wedbar:"",wedge:"",Wedge:"",wedgeq:"",weierp:"",Wfr:"",wfr:"",Wopf:"",wopf:"",wp:"",wr:"",wreath:"",Wscr:"",wscr:"",xcap:"",xcirc:"",xcup:"",xdtri:"",Xfr:"",xfr:"",xharr:"",xhArr:"",Xi:"",xi:"",xlarr:"",xlArr:"",xmap:"",xnis:"",xodot:"",Xopf:"",xopf:"",xoplus:"",xotime:"",xrarr:"",xrArr:"",Xscr:"",xscr:"",xsqcup:"",xuplus:"",xutri:"",xvee:"",xwedge:"",Yacute:"",yacute:"",YAcy:"",yacy:"",Ycirc:"",ycirc:"",Ycy:"",ycy:"",yen:"",Yfr:"",yfr:"",YIcy:"",yicy:"",Yopf:"",yopf:"",Yscr:"",yscr:"",YUcy:"",yucy:"",yuml:"",Yuml:"",Zacute:"",zacute:"",Zcaron:"",zcaron:"",Zcy:"",zcy:"",Zdot:"",zdot:"",zeetrf:"",ZeroWidthSpace:"",Zeta:"",zeta:"",zfr:"",Zfr:"",ZHcy:"",zhcy:"",zigrarr:"",zopf:"",Zopf:"",Zscr:"",zscr:"",zwj:"",zwnj:""}},{}]],26:[function(e,t,n){t.exports={Aacute:"",aacute:"",Acirc:"",acirc:"",acute:"",AElig:"",aelig:"",Agrave:"",agrave:"",amp:"&",AMP:"&",Aring:"",aring:"",Atilde:"",atilde:"",Auml:"",auml:"",brvbar:"",Ccedil:"",ccedil:"",cedil:"",cent:"",copy:"",COPY:"",curren:"",deg:"",divide:"",Eacute:"",eacute:"",Ecirc:"",ecirc:"",Egrave:"",egrave:"",ETH:"",eth:"",Euml:"",euml:"",frac12:"",frac14:"",frac34:"",gt:">",GT:">",Iacute:"",iacute:"",Icirc:"",icirc:"",iexcl:"",Igrave:"",igrave:"",iquest:"",Iuml:"",iuml:"",laquo:"",lt:"<",LT:"<",macr:"",micro:"",middot:"",nbsp:"",not:"",Ntilde:"",ntilde:"",Oacute:"",oacute:"",Ocirc:"",ocirc:"",Ograve:"",ograve:"",ordf:"",ordm:"",Oslash:"",oslash:"",Otilde:"",otilde:"",Ouml:"",ouml:"",para:"",plusmn:"",pound:"",quot:"",QUOT:"",raquo:"",reg:"",REG:"",sect:"",shy:"",sup1:"",sup2:"",sup3:"",szlig:"",THORN:"",thorn:"",times:"",Uacute:"",uacute:"",Ucirc:"",ucirc:"",Ugrave:"",ugrave:"",uml:"",Uuml:"",uuml:"",Yacute:"",yacute:"",yen:"",yuml:""}},{}]],27:[function(e,t,n){t.exports={amp:"&",apos:"",gt:">",lt:"<",quot:""}},{}]],28:[function(e,t,n){function r(){this._events=this._events||{},this._maxListeners=this._maxListeners||void 0}function i(e){return"function"==typeof e}function a(e){return"number"==typeof e}function o(e){return"object"==typeof e&&null!==e}function s(e){return void 0===e}t.exports=r,r.EventEmitter=r,r.prototype._events=void 0,r.prototype._maxListeners=void 0,r.defaultMaxListeners=10,r.prototype.setMaxListeners=function(e){if(!a(e)||e<0||isNaN(e))throw TypeError("n must be a positive number");return this._maxListeners=e,this},r.prototype.emit=function(e){var t,n,r,a,l,u;if(this._events||(this._events={}),"error"===e&&(!this._events.error||o(this._events.error)&&!this._events.error.length)){if(t=arguments[1],t instanceof Error)throw t;var c=new Error('Uncaught, unspecified "error" event.('+t+")");throw c.context=t,c}if(n=this._events[e],s(n))return!1;if(i(n))switch(arguments.length){case 1:n.call(this);break;case 2:n.call(this,arguments[1]);break;case 3:n.call(this,arguments[1],arguments[2]);break;default:a=Array.prototype.slice.call(arguments,1),n.apply(this,a)}else

if(o(n))for(a=Array.prototype.slice.call(arguments,1),u=n.slice(),r=u.length,l=0;l<r;l++)u[l].apply(this,a);return!0},r.
prototype.addListener=function(e,t){var n;if(!i(t))throw TypeError("listener must be a function");return
this._events||(this._events={}),this._events.newListener&&this.emit("newListener",e,i(t.listener)?t.listener:t),this._e
vents[e]?o(this._events[e])?this._events[e].push(t):this._events[e]=[this._events[e],t]:this._events[e]=t,o(this._events
[e])&&!this._events[e].warned&&(n=s(this._maxListeners)?r.defaultMaxListeners:this._maxListeners,n&&n>0&&
this._events[e].length>n&&(this._events[e].warned=!0,console.error("(node) warning: possible EventEmitter
memory leak detected. %d listeners added. Use emitter.setMaxListeners() to increase
limit.",this._events[e].length),"function"==typeof
console.trace&&console.trace())),this},r.prototype.on=r.prototype.addListener,r.prototype.once=function(e,t){functi
on n(){this.removeListener(e,n),r||(r=!0,t.apply(this,arguments))}if(!i(t))throw TypeError("listener must be a
function");var r=!1;return n.listener=t,this.on(e,n),this},r.prototype.removeListener=function(e,t){var
n,r,a,s;if(!i(t))throw TypeError("listener must be a function");if(!this._events||!this._events[e])return
this;if(n=this._events[e],a=n.length,r=-1,n===t||i(n.listener)&&n.listener===t)delete
this._events[e],this._events.removeListener&&this.emit("removeListener",e,t);else if(o(n)){for(s=a;s--
>0;)if(n[s]===t||n[s].listener&&n[s].listener===t){r=s;break}if(r<0)return this;1===n.length?(n.length=0,delete
this._events[e]):n.splice(r,1),this._events.removeListener&&this.emit("removeListener",e,t)}return
this},r.prototype.removeAllListeners=function(e){var t,n;if(!this._events)return
this;if(!this._events.removeListener)return 0===arguments.length?this._events={}:this._events[e]&&delete
this._events[e],this;if(0===arguments.length){for(t in
this._events)"removeListener"!==t&&this.removeAllListeners(t);return
this.removeAllListeners("removeListener"),this._events={},this}if(n=this._events[e],i(n))this.removeListener(e,n);e
lse if(n)for(;n.length;)this.removeListener(e,n[n.length-1]);return delete
this._events[e],this},r.prototype.listeners=function(e){var t;return
t=this._events&&this._events[e]?i(this._events[e])?[this._events[e]]:this._events[e].slice():[],r.prototype.listenerCo
unt=function(e){if(this._events){var t=this._events[e];if(i(t))return 1;if(t)return t.length}return
0},r.listenerCount=function(e,t){return e.listenerCount(t)}},{}],29:[function(e,t,n){function
r(e){this._cbs=e||{},this.events=[]}t.exports=r;var
i=e("./").EVENTS;Object.keys(i).forEach(function(e){if(0===i[e])e="on"+e,r.prototype[e]=function(){this.events.p
ush([e]),this._cbs[e]&&this._cbs[e]()};else
if(1===i[e])e="on"+e,r.prototype[e]=function(t){this.events.push([e,t]),this._cbs[e]&&this._cbs[e](t)};else{if(2!==i
[e])throw Error("wrong number of
arguments");e="on"+e,r.prototype[e]=function(t,n){this.events.push([e,t,n]),this._cbs[e]&&this._cbs[e](t,n)}}}),r.pr
ototype.onreset=function(){this.events=[],this._cbs.onreset&&this._cbs.onreset()},r.prototype.restart=function(){thi
s._cbs.onreset&&this._cbs.onreset();for(var e=0,t=this.events.length;e<t;e++)if(this._cbs[this.events[e][0]]){var
n=this.events[e].length;1===n?this._cbs[this.events[e][0]]():2===n?this._cbs[this.events[e][0]](this.events[e][1]):thi
s._cbs[this.events[e][0]](this.events[e][1],this.events[e][2])}}},{"./":36}],30:[function(e,t,n){function
r(e,t){this.init(e,t)}function i(e,t){return c.getElementsByTagName(e,t,!0)}function a(e,t){return
c.getElementsByTagName(e,t,!0,1)[0]}function o(e,t,n){return
c.getText(c.getElementsByTagName(e,t,n,1)).trim()}function s(e,t,n,r,i){var a=o(n,r,i);a&&(e[t]=a)}var
l=e("./index.js"),u=l.DomHandler,c=l.DomUtils;e("inherits")(r,u),r.prototype.init=u;var
p=function(e){return"rss"===e||"feed"===e||"rdf:RDF"===e};r.prototype.onend=function(){var
e,t,n={},r=a(p,this.dom);r&&("feed"===r.name?(t=r.children,n.type="atom",s(n,"id","id",t),s(n,"title","title",t),(e=a(
"link",t))&&(e=e.attribs)&&(e=e.href)&&(n.link=e),s(n,"description","subtitle",t),(e=o("updated",t))&&(n.updated
=new Date(e)),s(n,"author","email",t,!0),n.items=i("entry",t).map(function(e){var t,n={};return
e=e.children,s(n,"id","id",e),s(n,"title","title",e),(t=a("link",e))&&(t=t.attribs)&&(t=t.href)&&(n.link=t),(t=o("summ
ary",e)||o("content",e))&&(n.description=t),(t=o("updated",e))&&(n.pubDate=new
Date(t)),n})):(t=a("channel",r.children).children,n.type=r.name.substr(0,3),n.id="",s(n,"title","title",t),s(n,"link","lin
k",t),s(n,"description","description",t),(e=o("lastBuildDate",t))&&(n.updated=new

Date(e)),s(n,"author","managingEditor",t,!0),n.items=i("item",r.children).map(function(e){var t,n={};return e=e.children,s(n,"id","guid",e),s(n,"title","title",e),s(n,"link","link",e),s(n,"description","description",e),(t=o("pubDate",e))&&(n.pubDate=new Date(t)),n})))),this.dom=n,u.prototype._handleCallback.call(this,r?null:Error("couldn't find root of feed"))},t.exports=r},{"./index.js":36,inherits:38}],31:[function(e,t,n){function r(e,t){this._options=t||{},this._cbs=e||{},this._tagname="",this._attribname="",this._attribvalue="",this._attribs=null,this._stack=[],this.startIndex=0,this.endIndex=null,this._lowerCaseTagNames="lowerCaseTags"in this._options?!!this._options.lowerCaseTags:!this._options.xmlMode,this._lowerCaseAttributeNames="lowerCaseAttributeNames"in this._options?!!this._options.lowerCaseAttributeNames:!this._options.xmlMode,this._options.Tokenizer&&(i=this._options.Tokenizer),this._tokenizer=new i(this._options,this),this._cbs.onparserinit&&this._cbs.onparserinit(this)}var i=e("./Tokenizer.js"),a={input:!0,option:!0,optgroup:!0,select:!0,button:!0,datalist:!0,textarea:!0},o={tr:{tr:!0,th:!0,td:!0},th:{th:!0},td:{thead:!0,th:!0,td:!0},body:{head:!0,link:!0,script:!0},li:{li:!0},p:{p:!0},h1:{p:!0},h2:{p:!0},h3:{p:!0},h4:{p:!0},h5:{p:!0},h6:{p:!0},select:a,input:a,output:a,button:a,datalist:a,textarea:a,option:{option:!0},optgroup:{optgroup:!0}},s={__proto__:null,area:!0,base:!0,basefont:!0,br:!0,col:!0,command:!0,embed:!0,frame:!0,hr:!0,img:!0,input:!0,isindex:!0,keygen:!0,link:!0,meta:!0,param:!0,source:!0,track:!0,wbr:!0,path:!0,circle:!0,ellipse:!0,line:!0,rect:!0,use:!0,stop:!0,polyline:!0,polygon:!0},l=/\s|\//;e("inherits")(r,e("events").EventEmitter),r.prototype._updatePosition=function(e){null===this.endIndex?this._tokenizer._sectionStart<=e?this.startIndex=0:this.startIndex=this._tokenizer._sectionStart-e:this.startIndex=this.endIndex+1,this.endIndex=this._tokenizer.getAbsoluteIndex()},r.prototype.ontext=function(e){this._updatePosition(1),this.endIndex--,this._cbs.ontext&&this._cbs.ontext(e)},r.prototype.onopentagname=function(e){if(this._lowerCaseTagNames&&(e=e.toLowerCase()),this._tagname=e,!this._options.xmlMode&&e in o)for(var t;(t=this._stack[this._stack.length-1])in o[e];this.onclosetag(t));!this._options.xmlMode&&e in s||this._stack.push(e),this._cbs.onopentagname&&this._cbs.onopentagname(e),this._cbs.onopentag&&(this._attribs={})},r.prototype.onopentagend=function(){this._updatePosition(1),this._attribs&&(this._cbs.onopentag&&this._cbs.onopentag(this._tagname,this._attribs),this._attribs=null),!this._options.xmlMode&&this._cbs.onclosetag&&this._tagname in s&&this._cbs.onclosetag(this._tagname),this._tagname=""},r.prototype.onclosetag=function(e){if(this._updatePosition(1),this._lowerCaseTagNames&&(e=e.toLowerCase()),!this._stack.length||e in s&&!this._options.xmlMode)this._options.xmlMode||"br"!==e&&"p"!==e||(this.onopentagname(e),this._closeCurrentTag());else{var t=this._stack.lastIndexOf(e);if(t!==-1)if(this._cbs.onclosetag)for(t=this._stack.length-t;t--;)this._cbs.onclosetag(this._stack.pop());else this._stack.length=t;else"p"!==e||this._options.xmlMode||(this.onopentagname(e),this._closeCurrentTag())}},r.prototype.onselfclosingtag=function(){this._options.xmlMode||this._options.recognizeSelfClosing?this._closeCurrentTag():this.onopentagend()},r.prototype._closeCurrentTag=function(){var e=this._tagname;this.onopentagend(),this._stack[this._stack.length-1]===e&&(this._cbs.onclosetag&&this._cbs.onclosetag(e),this._stack.pop())},r.prototype.onattribname=function(e){this._lowerCaseAttributeNames&&(e=e.toLowerCase()),this._attribname=e},r.prototype.onattribdata=function(e){this._attribvalue+=e},r.prototype.onattribend=function(){this._cbs.onattribute&&this._cbs.onattribute(this._attribname,this._attribvalue),this._attribs&&!Object.prototype.hasOwnProperty.call(this._attribs,this._attribname)&&(this._attribs[this._attribname]=this._attribvalue),this._attribname="",this._attribvalue=""},r.prototype._getInstructionName=function(e){var t=e.search(l),n=t<0?e:e.substr(0,t);return this._lowerCaseTagNames&&(n=n.toLowerCase()),n},r.prototype.ondeclaration=function(e){if(this._cbs.onprocessinginstruction){var t=this._getInstructionName(e);this._cbs.onprocessinginstruction("!"+t,"!"+e)}},r.prototype.onprocessinginstruction=function(e){if(this._cbs.onprocessinginstruction){var t=this._getInstructionName(e);this._cbs.onprocessinginstruction("?"+t,"?"+e)}},r.prototype.oncomment=function(e){this._updatePosition(4),this._cbs.oncomment&&this._cbs.oncomment(e),this._cbs.oncommentend&&this._cbs.onc

ommentend()},r.prototype.oncdata=function(e){this._updatePosition(1),this._options.xmlMode||this._options.recogn
izeCDATA?(this._cbs.oncdatastart&&this._cbs.oncdatastart(),this._cbs.ontext&&this._cbs.ontext(e),this._cbs.oncda
taend&&this._cbs.oncdataend()):this.oncomment("[CDATA["+e+"]]")},r.prototype.onerror=function(e){this._cbs.o
nerror&&this._cbs.onerror(e)},r.prototype.onend=function(){if(this._cbs.onclosetag)for(var
e=this._stack.length;e>0;this._cbs.onclosetag(this._stack[--
e]));this._cbs.onend&&this._cbs.onend()},r.prototype.reset=function(){this._cbs.onreset&&this._cbs.onreset(),this._
tokenizer.reset(),this._tagname="",this._attribname="",this._attribs=null,this._stack=[],this._cbs.onparserinit&&this.
_cbs.onparserinit(this)},r.prototype.parseComplete=function(e){this.reset(),this.end(e)},r.prototype.write=function(e
){this._tokenizer.write(e)},r.prototype.end=function(e){this._tokenizer.end(e)},r.prototype.pause=function(){this._t
okenizer.pause()},r.prototype.resume=function(){this._tokenizer.resume()},r.prototype.parseChunk=r.prototype.writ
e,r.prototype.done=r.prototype.end,t.exports=r},{"./Tokenizer.js":34,events:28,inherits:38}],32:[function(e,t,n){func
tion r(e){this._cbs=e||{}}t.exports=r;var
i=e("./").EVENTS;Object.keys(i).forEach(function(e){if(0===i[e])e="on"+e,r.prototype[e]=function(){this._cbs[e]
&&this._cbs[e]()};else
if(1===i[e])e="on"+e,r.prototype[e]=function(t){this._cbs[e]&&this._cbs[e](t)};else{if(2!==i[e])throw
Error("wrong number of
arguments");e="on"+e,r.prototype[e]=function(t,n){this._cbs[e]&&this._cbs[e](t,n)}}})},{"./":36}],33:[function(e,t,
n){function r(e){a.call(this,new i(this),e)}function i(e){this.scope=e}t.exports=r;var
a=e("./WritableStream.js");e("inherits")(r,a),r.prototype.readable=!0;var
o=e("../").EVENTS;Object.keys(o).forEach(function(e){if(0===o[e])i.prototype["on"+e]=function(){this.scope.emit
(e)};else if(1===o[e])i.prototype["on"+e]=function(t){this.scope.emit(e,t)};else{if(2!==o[e])throw Error("wrong
number of
arguments!");i.prototype["on"+e]=function(t,n){this.scope.emit(e,t,n)}}})},{"../":36,"./WritableStream.js":35,inherit
s:38}],34:[function(e,t,n){function r(e){return" "===e||"\n"===e||"\t"===e||"\f"===e||"\r"===e}function i(e,t){return
function(n){n===e&&(this._state=t)}}function a(e,t,n){var r=e.toLowerCase();return
e===r?function(e){e===r?this._state=t:(this._state=n,this._index--
)}:function(i){i===r||i===e?this._state=t:(this._state=n,this._index--)}}function o(e,t){var n=e.toLowerCase();return
function(r){r===n||r===e?this._state=t:(this._state=m,this._index--)}}function
s(e,t){this._state=f,this._buffer="",this._sectionStart=0,this._index=0,this._bufferOffset=0,this._baseState=f,this._sp
ecial=me,this._cbs=t,this._running=!0,this._ended=!1,this._xmlMode=!(!e||!e.xmlMode),this._decodeEntities=!(!e||!
e.decodeEntities)}t.exports=s;var
l=e("entities/lib/decode_codepoint.js"),u=e("entities/maps/entities.json"),c=e("entities/maps/legacy.json"),p=e("entit
ies/maps/xml.json"),h=0,f=h++,d=h++,m=h++,g=h++,y=h++,v=h++,b=h++,w=h++,_=h++,x=h++,A=h++,S=h++,j
=h++,E=h++,O=h++,k=h++,T=h++,C=h++,I=h++,D=h++,L=h++,M=h++,R=h++,U=h++,P=h++,q=h++,B=h++,N=
h++,z=h++,$=h++,F=h++,V=h++,H=h++,Y=h++,J=h++,W=h++,Q=h++,G=h++,K=h++,X=h++,Z=h++,ee=h++,te=
h++,ne=h++,re=h++,ie=h++,ae=h++,oe=h++,se=h++,le=h++,ue=h++,ce=h++,pe=h++,he=h++,fe=h++,de=0,me=de
++,ge=de++,ye=de++;s.prototype._stateText=function(e){"<"===e?(this._index>this._sectionStart&&this._cbs.onte
xt(this._getSection()),this._state=d,this._sectionStart=this._index):this._decodeEntities&&this._special===me&&"
&"===e&&(this._index>this._sectionStart&&this._cbs.ontext(this._getSection()),this._baseState=f,this._state=ue,th
is._sectionStart=this._index)},s.prototype._stateBeforeTagName=function(e){"/"===e?this._state=y:"<"===e?(this._
_cbs.ontext(this._getSection()),this._sectionStart=this._index):">"===e||this._special!==me||r(e)?this._state=f:"!"==
=e?(this._state=O,this._sectionStart=this._index+1):"?"===e?(this._state=T,this._sectionStart=this._index+1):(this._
state=this._xmlMode||"s"!==e&&"S"!==e?m:F,this._sectionStart=this._index)},s.prototype._stateInTagName=funct
ion(e){("/"===e||">"===e||r(e))&&(this._emitToken("onopentagname"),this._state=w,this._index--
)},s.prototype._stateBeforeCloseingTagName=function(e){r(e)||(">"===e?this._state=f:this._special!==me?"s"===e
||"S"===e?this._state=V:(this._state=f,this._index--
):(this._state=v,this._sectionStart=this._index))},s.prototype._stateInCloseingTagName=function(e){(">"===e||r(e))
&&(this._emitToken("onclosetag"),this._state=b,this._index--

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)},s.prototype._stateAfterCloseingTagName=function(e){">"===e&&(this._state=f,this._sectionStart=this._index+1
)},s.prototype._stateBeforeAttributeName=function(e){">"===e?(this._cbs.onopentagend(),this._state=f,this._sectio
nStart=this._index+1):"/"===e?this._state=g:r(e)||(this._state=_,this._sectionStart=this._index)},s.prototype._stateIn
SelfClosingTag=function(e){">"===e?(this._cbs.onselfclosingtag(),this._state=f,this._sectionStart=this._index+1):r(
e)||(this._state=w,this._index--
)},s.prototype._stateInAttributeName=function(e){("="===e||"/"===e||">"===e||r(e))&&(this._cbs.onattribname(this
._getSection()),this._sectionStart=-1,this._state=x,this._index--
)},s.prototype._stateAfterAttributeName=function(e){"="===e?this._state=A:"/"===e||">"===e?(this._cbs.onattribe
nd(),this._state=w,this._index--
):r(e)||(this._cbs.onattribend(),this._state=_,this._sectionStart=this._index)},s.prototype._stateBeforeAttributeValue=
function(e){'"'===e?(this._state=S,this._sectionStart=this._index+1):"'"===e?(this._state=j,this._sectionStart=this._i
ndex+1):r(e)||(this._state=E,this._sectionStart=this._index,this._index--
)},s.prototype._stateInAttributeValueDoubleQuotes=function(e){'"'===e?(this._emitToken("onattribdata"),this._cbs.
onattribend(),this._state=w):this._decodeEntities&&"&"===e&&(this._emitToken("onattribdata"),this._baseState=t
his._state,this._state=ue,this._sectionStart=this._index)},s.prototype._stateInAttributeValueSingleQuotes=function(e
){"'"===e?(this._emitToken("onattribdata"),this._cbs.onattribend(),this._state=w):this._decodeEntities&&"&"===e
&&(this._emitToken("onattribdata"),this._baseState=this._state,this._state=ue,this._sectionStart=this._index)},s.prot
otype._stateInAttributeValueNoQuotes=function(e){r(e)||">"===e?(this._emitToken("onattribdata"),this._cbs.onattri
bend(),this._state=w,this._index--
):this._decodeEntities&&"&"===e&&(this._emitToken("onattribdata"),this._baseState=this._state,this._state=ue,thi
s._sectionStart=this._index)},s.prototype._stateBeforeDeclaration=function(e){this._state="["===e?M:"-
"===e?C:k},s.prototype._stateInDeclaration=function(e){">"===e&&(this._cbs.ondeclaration(this._getSection()),th
is._state=f,this._sectionStart=this._index+1)},s.prototype._stateInProcessingInstruction=function(e){">"===e&&(th
is._cbs.onprocessinginstruction(this._getSection()),this._state=f,this._sectionStart=this._index+1)},s.prototype._stat
eBeforeComment=function(e){"-
"===e?(this._state=I,this._sectionStart=this._index+1):this._state=k},s.prototype._stateInComment=function(e){"-
"===e&&(this._state=D)},s.prototype._stateAfterComment1=function(e){"-
"===e?this._state=L:this._state=I},s.prototype._stateAfterComment2=function(e){">"===e?(this._cbs.oncomment(t
his._buffer.substring(this._sectionStart,this._index-2)),this._state=f,this._sectionStart=this._index+1):"-
"!==e&&(this._state=I)},s.prototype._stateBeforeCdata1=a("C",R,k),s.prototype._stateBeforeCdata2=a("D",U,k),s.
prototype._stateBeforeCdata3=a("A",P,k),s.prototype._stateBeforeCdata4=a("T",q,k),s.prototype._stateBeforeCdata
5=a("A",B,k),s.prototype._stateBeforeCdata6=function(e){"["===e?(this._state=N,this._sectionStart=this._index+1)
:(this._state=k,this._index--
)},s.prototype._stateInCdata=function(e){"]"===e&&(this._state=z)},s.prototype._stateAfterCdata1=i("]",$),s.protot
ype._stateAfterCdata2=function(e){">"===e?(this._cbs.oncdata(this._buffer.substring(this._sectionStart,this._index-
2)),this._state=f,this._sectionStart=this._index+1):"]"!==e&&(this._state=N)},s.prototype._stateBeforeSpecial=func
tion(e){"c"===e||"C"===e?this._state=H:"t"===e||"T"===e?this._state=te:(this._state=m,this._index--
)},s.prototype._stateBeforeSpecialEnd=function(e){this._special!==ge||"c"!==e&&"C"!==e?this._special!==ye||"t"!
==e&&"T"!==e?this._state=f:this._state=ae:this._state=G},s.prototype._stateBeforeScript1=o("R",Y),s.prototype._s
tateBeforeScript2=o("I",J),s.prototype._stateBeforeScript3=o("P",W),s.prototype._stateBeforeScript4=o("T",Q),s.pr
ototype._stateBeforeScript5=function(e){("/"===e||">"===e||r(e))&&(this._special=ge),this._state=m,this._index--
},s.prototype._stateAfterScript1=a("R",K,f),s.prototype._stateAfterScript2=a("I",X,f),s.prototype._stateAfterScript3
=a("P",Z,f),s.prototype._stateAfterScript4=a("T",ee,f),s.prototype._stateAfterScript5=function(e){
">"===e||r(e)?(this._special=me,this._state=v,this._sectionStart=this._index-6,this._index--
):this._state=f},s.prototype._stateBeforeStyle1=o("Y",ne),s.prototype._stateBeforeStyle2=o("L",re),s.prototype._stat
eBeforeStyle3=o("E",ie),s.prototype._stateBeforeStyle4=function(e){("/"===e||">"===e||r(e))&&(this._special=ye),
this._state=m,this._index--
},s.prototype._stateAfterStyle1=a("Y",oe,f),s.prototype._stateAfterStyle2=a("L",se,f),s.prototype._stateAfterStyle3=
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a("E",le,f),s.prototype._stateAfterStyle4=function(e){">"===e||r(e)?(this._special=me,this._state=v,this._sectionStart=this._index-5,this._index--
):this._state=f},s.prototype._stateBeforeEntity=a("#",ce,pe),s.prototype._stateBeforeNumericEntity=a("X",fe,he),s.prototype._parseNamedEntityStrict=function(){if(this._sectionStart+1<this._index){var
e=this._buffer.substring(this._sectionStart+1,this._index),t=this._xmlMode?p:u;t.hasOwnProperty(e)&&(this._emitPartial(t[e]),this._sectionStart=this._index+1)}},s.prototype._parseLegacyEntity=function(){var
e=this._sectionStart+1,t=this._index-e;for(t>6&&(t=6);t>=2;){var
n=this._buffer.substr(e,t);if(c.hasOwnProperty(n))return this._emitPartial(c[n]),void(this._sectionStart+=t+1);t--
}},s.prototype._stateInNamedEntity=function(e){";"===e?(this._parseNamedEntityStrict(),this._sectionStart+1<this._index&&!this._xmlMode&&this._parseLegacyEntity(),this._state=this._baseState):(e<"a"||e>"z")&&(e<"A"||e>"Z")&&(e<"0"||e>"9")&&(this._xmlMode||this._sectionStart+1===this._index||(this._baseState!==f?"="!==e&&this._parseNamedEntityStrict():this._parseLegacyEntity()),this._state=this._baseState,this._index--
)},s.prototype._decodeNumericEntity=function(e,t){var n=this._sectionStart+e;if(n!==this._index){var
r=this._buffer.substring(n,this._index),i=parseInt(r,t);this._emitPartial(l(i)),this._sectionStart=this._index}else
this._sectionStart--
;this._state=this._baseState},s.prototype._stateInNumericEntity=function(e){";"===e?(this._decodeNumericEntity(2,10),this._sectionStart++):(e<"0"||e>"9")&&(this._xmlMode?this._state=this._baseState:this._decodeNumericEntity(2,10),this._index--
)},s.prototype._stateInHexEntity=function(e){";"===e?(this._decodeNumericEntity(3,16),this._sectionStart++):(e<"a"||e>"f")&&(e<"A"||e>"F")&&(e<"0"||e>"9")&&(this._xmlMode?this._state=this._baseState:this._decodeNumericEntity(3,16),this._index--
)},s.prototype._cleanup=function(){this._sectionStart<0?(this._buffer="",this._index=0,this._bufferOffset+=this._index):this._running&&(this._state===f?(this._sectionStart!==this._index&&this._cbs.ontext(this._buffer.substr(this._sectionStart)),this._buffer="",this._bufferOffset+=this._index,this._index=0):this._sectionStart===this._index?(this._buffer="",this._bufferOffset+=this._index,this._index=0):(this._buffer=this._buffer.substr(this._sectionStart),this._index-
=this._sectionStart,this._bufferOffset+=this._sectionStart),this._sectionStart=0)},s.prototype.write=function(e){this._ended&&this._cbs.onerror(Error(".write() after
done!")),this._buffer+=e,this._parse()},s.prototype._parse=function(){for(;this._index<this._buffer.length&&this._running;){var
e=this._buffer.charAt(this._index);this._state===f?this._stateText(e):this._state===d?this._stateBeforeTagName(e):this._state===m?this._stateInTagName(e):this._state===y?this._stateBeforeCloseingTagName(e):this._state===v?this._stateInCloseingTagName(e):this._state===b?this._stateAfterCloseingTagName(e):this._state===g?this._stateInSelfClosingTag(e):this._state===w?this._stateBeforeAttributeName(e):this._state===_?this._stateInAttributeName(e):this._state===x?this._stateAfterAttributeName(e):this._state===A?this._stateBeforeAttributeValue(e):this._state===S?this._stateInAttributeValueDoubleQuotes(e):this._state===j?this._stateInAttributeValueSingleQuotes(e):this._state===E?this._stateInAttributeValueNoQuotes(e):this._state===O?this._stateBeforeDeclaration(e):this._state===k?this._stateInDeclaration(e):this._state===T?this._stateInProcessingInstruction(e):this._state===C?this._stateBeforeComment(e):this._state===I?this._stateInComment(e):this._state===D?this._stateAfterComment1(e):this._state===L?this._stateAfterComment2(e):this._state===M?this._stateBeforeCdata1(e):this._state===R?this._stateBeforeCdata2(e):this._state===U?this._stateBeforeCdata3(e):this._state===P?this._stateBeforeCdata4(e):this._state===q?this._stateBeforeCdata5(e):this._state===B?this._stateBeforeCdata6(e):this._state===N?this._stateInCdata(e):this._state===z?this._stateAfterCdata1(e):this._state===$?this._stateAfterCdata2(e):this._state===F?this._stateBeforeSpecial(e):this._state===V?this._stateBeforeSpecialEnd(e):this._state===H?this._stateBeforeScript1(e):this._state===Y?this._stateBeforeScript2(e):this._state===J?this._stateBeforeScript3(e):this._state===W?this._stateBeforeScript4(e):this._state===Q?this._stateBeforeScript5(e):this._state===G?this._stateAfterScript1(e):this._state===K?this._stateAfterScript2(e):this._state===X?this._stateAfterScript3(e):this._state===Z?this._stateAfterScript4(e):this._state===ee?this._stateAfterScript5(e):this._state===te?this._stateBeforeStyle1(e):this._state===ne?this._stateBeforeStyle2(e):this.

_state===re?this._stateBeforeStyle3(e):this._state===ie?this._stateBeforeStyle4(e):this._state===ae?this._stateAfter Style1(e):this._state===oe?this._stateAfterStyle2(e):this._state===se?this._stateAfterStyle3(e):this._state===le?this._stateAfterStyle4(e):this._state===ue?this._stateBeforeEntity(e):this._state===ce?this._stateBeforeNumericEntity(e):this._state===pe?this._stateInNamedEntity(e):this._state===he?this._stateInNumericEntity(e):this._state===fe?thi s._stateInHexEntity(e):this._cbs.onerror(Error("unknown _state"),this._state),this._index++}this._cleanup()},s.prototype.pause=function(){this._running=!1},s.prototype.resu me=function(){this._running=!0,this._index<this._buffer.length&&this._parse(),this._ended&&this._finish()},s.prot otype.end=function(e){this._ended&&this._cbs.onerror(Error(".end() after done!")),e&&this.write(e),this._ended=!0,this._running&&this._finish()},s.prototype._finish=function(){this._sectio nStart<this._index&&this._handleTrailingData(),this._cbs.onend()},s.prototype._handleTrailingData=function(){var e=this._buffer.substr(this._sectionStart);this._state===N||this._state===z||this._state===$?this._cbs.oncdata(e):this._ state===I||this._state===D||this._state===L?this._cbs.oncomment(e):this._state!==pe||this._xmlMode?this._state!== he||this._xmlMode?this._state!==fe||this._xmlMode?this._state!==m&&this._state!==w&&this._state!==A&&this._ state!==x&&this._state!==_&&this._state!==j&&this._state!==S&&this._state!==E&&this._state!==v&&this._cbs. ontext(e):(this._decodeNumericEntity(3,16),this._sectionStart<this._index&&(this._state=this._baseState,this._hand leTrailingData())):(this._decodeNumericEntity(2,10),this._sectionStart<this._index&&(this._state=this._baseState,th is._handleTrailingData())):(this._parseLegacyEntity(),this._sectionStart<this._index&&(this._state=this._baseState,t his._handleTrailingData()))},s.prototype.reset=function(){s.call(this,{xmlMode:this._xmlMode,decodeEntities:this. _decodeEntities},this._cbs)},s.prototype.getAbsoluteIndex=function(){return this._bufferOffset+this._index},s.prototype._getSection=function(){return this._buffer.substring(this._sectionStart,this._index)},s.prototype._emitToken=function(e){this._cbs[e](this._getSect ion()),this._sectionStart=- 1},s.prototype._emitPartial=function(e){this._baseState!==f?this._cbs.onattribdata(e):this._cbs.ontext(e)}},{"entitie s/lib/decode_codepoint.js":22,"entities/maps/entities.json":25,"entities/maps/legacy.json":26,"entities/maps/xml.json ":27}],35:[function(e,t,n){function r(e,t){var n=this._parser=new i(e,t),r=this._decoder=new o;a.call(this,{decodeStrings:!1}),this.once("finish",function(){n.end(r.end())})}t.exports=r;var i=e("./Parser.js"),a=e("stream").Writable||e("readable- stream").Writable,o=e("string_decoder").StringDecoder,s=e("buffer").Buffer;e("inherits")(r,a),a.prototype._write=fu nction(e,t,n){e instanceof s&&(e=this._decoder.write(e)),this._parser.write(e),n()}},{"./Parser.js":31,buffer:5,inherits:38,"readable- stream":3,stream:55,string_decoder:56}],36:[function(e,t,n){function r(e,n){return delete t.exports[e],t.exports[e]=n,n}var i=e("./Parser.js"),a=e("domhandler");t.exports={Parser:i,Tokenizer:e("./Tokenizer.js"),ElementType:e("domelement type"),DomHandler:a,get FeedHandler(){return r("FeedHandler",e("./FeedHandler.js"))},get Stream(){return r("Stream",e("./Stream.js"))},get WritableStream(){return r("WritableStream",e("./WritableStream.js"))},get ProxyHandler(){return r("ProxyHandler",e("./ProxyHandler.js"))},get DomUtils(){return r("DomUtils",e("domutils"))},get CollectingHandler(){return r("CollectingHandler",e("./CollectingHandler.js"))},DefaultHandler:a,get RssHandler(){return r("RssHandler",this.FeedHandler)},parseDOM:function(e,t){var n=new a(t);return new i(n,t).end(e),n.dom},parseFeed:function(e,n){var r=new t.exports.FeedHandler(n);return new i(r,n).end(e),r.dom},createDomStream:function(e,t,n){var r=new a(e,t,n);return new i(r,t)},EVENTS:{attribute:2,cdatastart:0,cdataend:0,text:1,processinginstruction:2,comment:1,commentend:0,closeta g:1,opentag:2,opentagname:1,error:1,end:0}}},{"./CollectingHandler.js":29,"./FeedHandler.js":30,"./Parser.js":31,"./ ProxyHandler.js":32,"./Stream.js":33,"./Tokenizer.js":34,"./WritableStream.js":35,domelementtype:9,domhandler:10 ,domutils:13}],37:[function(e,t,n){n.read=function(e,t,n,r,i){var a,o,s=8*i-r-1,l=(1<<s)-1,u=l>>1,c=-7,p=n?i- 1:0,h=n?-1:1,f=e[t+p];for(p+=h,a=f&(1<<-c)-1,f>>=-c,c+=s;c>0;a=256*a+e[t+p],p+=h,c-=8);for(o=a&(1<<-c)- 1,a>>=-c,c+=r;c>0;o=256*o+e[t+p],p+=h,c-=8);if(0===a)a=1-u;else{if(a===l)return o?NaN:(f?- 1:1)*(1/0);o+=Math.pow(2,r),a-=u}return(f?-1:1)*o*Math.pow(2,a-r)},n.write=function(e,t,n,r,i,a){var o,s,l,u=8*a-

i-1,c=(1<<u)-1,p=c>>1,h=23===i?Math.pow(2,-24)-Math.pow(2,-77):0,f=r?0:a-1,d=r?1:-1,m=t<0||0===t&&1/t<0?1:0;for(t=Math.abs(t),isNaN(t)||t===1/0?(s=isNaN(t)?1:0,o=c):(o=Math.floor(Math.log(t)/Math.LN2),t*(l=Math.pow(2,-o))<1&&(o--,l*=2),t+=o+p>=1?h/l:h*Math.pow(2,1-p),t*l>=2&&(o++,l/=2),o+p>=c?(s=0,o=c):o+p>=1?(s=(t*l-1)*Math.pow(2,i),o+=p):(s=t*Math.pow(2,p-1)*Math.pow(2,i),o=0));i>=8;e[n+f]=255&s,f+=d,s/=256,i-=8);for(o=o<<i|s,u+=i;u>0;e[n+f]=255&o,f+=d,o/=256,u-=8);e[n+f-d]|=128*m}},{}],38:[function(e,t,n){"function"==typeof Object.create?t.exports=function(e,t){e.super_=t,e.prototype=Object.create(t.prototype,{constructor:{value:e,enumerable:!1,writable:!0,configurable:!0}})}:t.exports=function(e,t){e.super_=t;var n=function(){};n.prototype=t.prototype,e.prototype=new n,e.prototype.constructor=e}},{}],39:[function(e,t,n){function r(e){return!!e.constructor&&"function"==typeof e.constructor.isBuffer&&e.constructor.isBuffer(e)}function i(e){return"function"==typeof e.readFloatLE&&"function"==typeof e.slice&&r(e.slice(0,0))}t.exports=function(e){return null!=e&&(r(e)||i(e)||!!e._isBuffer)}},{}],40:[function(e,t,n){var r={}.toString;t.exports=Array.isArray||function(e){return"[object Array]"==r.call(e)}},{}],41:[function(e,t,n){(function(e){"use strict";function n(t,n,r,i){if("function"!=typeof t)throw new TypeError('"callback" argument must be a function');var a,o,s=arguments.length;switch(s){case 0:case 1:return e.nextTick(t);case 2:return e.nextTick(function(){t.call(null,n)});case 3:return e.nextTick(function(){t.call(null,n,r)});case 4:return e.nextTick(function(){t.call(null,n,r,i)});default:for(a=new Array(s-1),o=0;o<a.length;)a[o++]=arguments[o];return e.nextTick(function(){t.apply(null,a)})}}!e.version||0===e.version.indexOf("v0.")||0===e.version.indexOf("v1.")&&0!==e.version.indexOf("v1.8.")?t.exports=n:t.exports=e.nextTick}).call(this,e("_process"))},{_process:42}],42:[function(e,t,n){function r(){throw new Error("setTimeout has not been defined")}function i(){throw new Error("clearTimeout has not been defined")}function a(e){if(p===setTimeout)return setTimeout(e,0);if((p===r||!p)&&setTimeout)return p=setTimeout,setTimeout(e,0);try{return p(e,0)}catch(t){try{return p.call(null,e,0)}catch(t){return p.call(this,e,0)}}}function o(e){if(h===clearTimeout)return clearTimeout(e);if((h===i||!h)&&clearTimeout)return h=clearTimeout,clearTimeout(e);try{return h(e)}catch(t){try{return h.call(null,e)}catch(t){return h.call(this,e)}}}function s(){g&&d&&(g=!1,d.length?m=d.concat(m):y=-1,m.length&&l())}function l(){if(!g){var e=a(s);g=!0;for(var t=m.length;t;){for(d=m,m=[];++y<t;)d&&d[y].run();y=-1,t=m.length}d=null,g=!1,o(e)}}function u(e,t){this.fun=e,this.array=t}function c(){}var p,h,f=t.exports={};!function(){try{p="function"==typeof setTimeout?setTimeout:r}catch(e){p=r}try{h="function"==typeof clearTimeout?clearTimeout:i}catch(e){h=i}}();var d,m=[],g=!1,y=-1;f.nextTick=function(e){var t=new Array(arguments.length-1);if(arguments.length>1)for(var n=1;n<arguments.length;n++)t[n-1]=arguments[n];m.push(new u(e,t)),1!==m.length||g||a(l)},u.prototype.run=function(){this.fun.apply(null,this.array)},f.title="browser",f.browser=!0,f.env={},f.argv=[],f.version="",f.versions={},f.on=c,f.addListener=c,f.once=c,f.off=c,f.removeListener=c,f.removeAllListeners=c,f.emit=c,f.binding=function(e){throw new Error("process.binding is not supported")},f.cwd=function(){return"/"},f.chdir=function(e){throw new Error("process.chdir is not supported")},f.umask=function(){return 0}},{}],43:[function(e,t,n){t.exports=e("./lib/_stream_duplex.js")},{"./lib/_stream_duplex.js":44}],44:[function(e,t,n){"use strict";function r(e){return this instanceof r?(u.call(this,e),c.call(this,e),e&&e.readable===!1&&(this.readable=!1),e&&e.writable===!1&&(this.writable=!1),this.allowHalfOpen=!0,e&&e.allowHalfOpen===!1&&(this.allowHalfOpen=!1),void this.once("end",i)):new r(e)}function i(){this.allowHalfOpen||this._writableState.ended||s(a,this)}function a(e){e.end()}var o=Object.keys||function(e){var t=[];for(var n in e)t.push(n);return t};t.exports=r;var s=e("process-nextick-args"),l=e("core-util-is");l.inherits=e("inherits");var

u=e("./_stream_readable"),c=e("./_stream_writable");l.inherits(r,u);for(var p=o(c.prototype),h=0;h<p.length;h++){var f=p[h];r.prototype[f]||(r.prototype[f]=c.prototype[f])}},{"./_stream_readable":46,"./_stream_writable":48,"core-util-is":6,inherits:38,"process-nextick-args":41}],45:[function(e,t,n){"use strict";function r(e){return this instanceof r?void i.call(this,e):new r(e)}t.exports=r;var i=e("./_stream_transform"),a=e("core-util-is");a.inherits=e("inherits"),a.inherits(r,i),r.prototype._transform=function(e,t,n){n(null,e)}},{"./_stream_transform":47,"core-util-is":6,inherits:38}],46:[function(e,t,n){(function(n){"use strict";function r(e,t,n){return"function"==typeof e.prependListener?e.prependListener(t,n):void(e._events&&e._events[t]?C(e._events[t])?e._events[t].unshift(n):e._events[t]=[n,e._events[t]]:e.on(t,n))}function i(t,n){N=N||e("./_stream_duplex"),t=t||{},this.objectMode=!!t.objectMode,n instanceof N&&(this.objectMode=this.objectMode||!!t.readableObjectMode);var r=t.highWaterMark,i=this.objectMode?16:16384;this.highWaterMark=r||0===r?r:i,this.highWaterMark=~~this.highWaterMark,this.buffer=new B,this.length=0,this.pipes=null,this.pipesCount=0,this.flowing=null,this.ended=!1,this.endEmitted=!1,this.reading=!1,this.sync=!0,this.needReadable=!1,this.emittedReadable=!1,this.readableListening=!1,this.resumeScheduled=!1,this.defaultEncoding=t.defaultEncoding||"utf8",this.ranOut=!1,this.awaitDrain=0,this.readingMore=!1,this.decoder=null,this.encoding=null,t.encoding&&(q||(q=e("string_decoder/").StringDecoder),this.decoder=new q(t.encoding),this.encoding=t.encoding)}function a(t){return N=N||e("./_stream_duplex"),this instanceof a?(this._readableState=new i(t,this),this.readable=!0,t&&"function"==typeof t.read&&(this._read=t.read),void I.call(this)):new a(t)}function o(e,t,n,r,i){var a=c(t,n);if(a)e.emit("error",a);else if(null===n)t.reading=!1,p(e,t);else if(t.objectMode||n&&n.length>0)if(t.ended&&!i){var o=new Error("stream.push() after EOF");e.emit("error",o)}else if(t.endEmitted&&i){var l=new Error("stream.unshift() after end event");e.emit("error",l)}else{var u;!t.decoder||i||r||(n=t.decoder.write(n),u=!t.objectMode&&0===n.length),i||(t.reading=!1),u||(t.flowing&&0===t.length&&!t.sync?(e.emit("data",n),e.read(0)):(t.length+=t.objectMode?1:n.length,i?t.buffer.unshift(n):t.buffer.push(n),t.needReadable&&h(e))),d(e,t)}else i||(t.reading=!1);return s(t)}function s(e){return!e.ended&&(e.needReadable||e.length<e.highWaterMark||0===e.length)}function l(e){return e>=z?e=z:(e--,e|=e>>>1,e|=e>>>2,e|=e>>>4,e|=e>>>8,e|=e>>>16,e++),e}function u(e,t){return e<=0||0===t.length&&t.ended?0:t.objectMode?1:e!==e?t.flowing&&t.length?t.buffer.head.data.length:t.length:(e>t.highWaterMark&&(t.highWaterMark=l(e)),e<=t.length?e:t.ended?t.length:(t.needReadable=!0,0))}function c(e,t){var n=null;return L.isBuffer(t)||"string"==typeof t||null===t||void 0===t||e.objectMode||(n=new TypeError("Invalid non-string/buffer chunk")),n}function p(e,t){if(!t.ended){if(t.decoder){var n=t.decoder.end();n&&n.length&&(t.buffer.push(n),t.length+=t.objectMode?1:n.length)}t.ended=!0,h(e)}}function h(e){var t=e._readableState;t.needReadable=!1,t.emittedReadable||(P("emitReadable",t.flowing),t.emittedReadable=!0,t.sync?T(f,e):f(e))}function f(e){P("emit readable"),e.emit("readable"),w(e)}function d(e,t){t.readingMore||(t.readingMore=!0,T(m,e,t))}function m(e,t){for(var n=t.length;!t.reading&&!t.flowing&&!t.ended&&t.length<t.highWaterMark&&(P("maybeReadMore read 0"),e.read(0),n!==t.length);)n=t.length;t.readingMore=!1}function g(e){return function(){var t=e._readableState;P("pipeOnDrain",t.awaitDrain),t.awaitDrain&&t.awaitDrain--,0===t.awaitDrain&&D(e,"data")&&(t.flowing=!0,w(e))}}function y(e){P("readable nexttick read 0"),e.read(0)}function v(e,t){t.resumeScheduled||(t.resumeScheduled=!0,T(b,e,t))}function b(e,t){t.reading||(P("resume read 0"),e.read(0)),t.resumeScheduled=!1,t.awaitDrain=0,e.emit("resume"),w(e),t.flowing&&!t.reading&&e.read(0)}function w(e){var t=e._readableState;for(P("flow",t.flowing);t.flowing&&null!==e.read(););}function _(e,t){if(0===t.length)return null;var n;return t.objectMode?n=t.buffer.shift():!e||e>=t.length?(n=t.decoder?t.buffer.join(""):1===t.buffer.length?t.buffer.head.data:

t.buffer.concat(t.length),t.buffer.clear()):n=x(e,t.buffer,t.decoder),n}function x(e,t,n){var r;return e<t.head.data.length?(r=t.head.data.slice(0,e),t.head.data=t.head.data.slice(e)):r=e===t.head.data.length?t.shift():n?A(e,t):S(e,t),r}function A(e,t){var n=t.head,r=1,i=n.data;for(e-=i.length;n=n.next;){var a=n.data,o=e>a.length?a.length:e;if(i+=o===a.length?a:a.slice(0,e),e-=o,0===e){o===a.length?(++r,n.next?t.head=n.next:t.head=t.tail=null):(t.head=n,n.data=a.slice(o));break}++r}return t.length-=r,i}function S(e,t){var n=M.allocUnsafe(e),r=t.head,i=1;for(r.data.copy(n),e-=r.data.length;r=r.next;){var a=r.data,o=e>a.length?a.length:e;if(a.copy(n,n.length-e,0,o),e-=o,0===e){o===a.length?(++i,r.next?t.head=r.next:t.head=t.tail=null):(t.head=r,r.data=a.slice(o));break}++i}return t.length-=i,n}function j(e){var t=e._readableState;if(t.length>0)throw new Error('"endReadable()" called on non-empty stream');t.endEmitted||(t.ended=!0,T(E,t,e))}function E(e,t){e.endEmitted||0!==e.length||(e.endEmitted=!0,t.readable=!1,t.emit("end"))}function O(e,t){for(var n=0,r=e.length;n<r;n++)t(e[n],n)}function k(e,t){for(var n=0,r=e.length;n<r;n++)if(e[n]===t)return n;return-1}t.exports=a;var T=e("process-nextick-args"),C=e("isarray");a.ReadableState=i;var I,D=(e("events").EventEmitter,function(e,t){return e.listeners(t).length});!function(){try{I=e("stream")}catch(t){}finally{I||(I=e("events").EventEmitter)}}();var L=e("buffer").Buffer,M=e("buffer-shims"),R=e("core-util-is");R.inherits=e("inherits");var U=e("util"),P=void 0;P=U&&U.debuglog?U.debuglog("stream"):function(){};var q,B=e("./internal/streams/BufferList");R.inherits(a,I);var N,N;a.prototype.push=function(e,t){var n=this._readableState;return n.objectMode||"string"!=typeof e||(t=t||n.defaultEncoding,t!==n.encoding&&(e=M.from(e,t),t="")),o(this,n,e,t,!1)},a.prototype.unshift=function(e){var t=this._readableState;return o(this,t,e,"",!0)},a.prototype.isPaused=function(){return this._readableState.flowing===!1},a.prototype.setEncoding=function(t){return q||(q=e("string_decoder/").StringDecoder),this._readableState.decoder=new q(t),this._readableState.encoding=t,this};var z=8388608;a.prototype.read=function(e){P("read",e),e=parseInt(e,10);var t=this._readableState,n=e;if(0!==e&&(t.emittedReadable=!1),0===e&&t.needReadable&&(t.length>=t.highWaterMark||t.ended))return P("read: emitReadable",t.length,t.ended),0===t.length&&t.ended?j(this):h(this),null;if(e=u(e,t),0===e&&t.ended)return 0===t.length&&j(this),null;var r=t.needReadable;P("need readable",r),(0===t.length||t.length-e<t.highWaterMark)&&(r=!0,P("length less than watermark",r)),t.ended||t.reading?(r=!1,P("reading or ended",r)):r&&(P("do read"),t.reading=!0,t.sync=!0,0===t.length&&(t.needReadable=!0),this._read(t.highWaterMark),t.sync=!1,t.reading||(e=u(n,t)));var i;return i=e>0?_(e,t):null,null===i?(t.needReadable=!0,e=0):t.length-=e,0===t.length&&(t.ended||(t.needReadable=!0),n!==e&&t.ended&&j(this)),null!==i&&this.emit("data",i),i},a.prototype._read=function(e){this.emit("error",new Error("not implemented"))},a.prototype.pipe=function(e,t){function i(e){P("onunpipe"),e===h&&o()}function a(){P("onend"),e.end()}function o(){P("cleanup"),e.removeListener("close",u),e.removeListener("finish",c),e.removeListener("drain",y),e.removeListener("error",l),e.removeListener("unpipe",i),h.removeListener("end",a),h.removeListener("end",o),h.removeListener("data",s),v=!0,!f.awaitDrain||e._writableState&&!e._writableState.needDrain||y()}function s(t){P("ondata"),b=!1;var n=e.write(t);!1!==n||b||((1===f.pipesCount&&f.pipes===e||f.pipesCount>1&&k(f.pipes,e)!==-1)&&!v&&(P("false write response, pause",h._readableState.awaitDrain),h._readableState.awaitDrain++,b=!0),h.pause())}function l(t){P("onerror",t),p(),e.removeListener("error",l),0===D(e,"error")&&e.emit("error",t)}function u(){e.removeListener("finish",c),p()}function c(){P("onfinish"),e.removeListener("close",u),p()}function p(){P("unpipe"),h.unpipe(e)}var h=this,f=this._readableState;switch(f.pipesCount){case 0:f.pipes=e;break;case 1:f.pipes=[f.pipes,e];break;default:f.pipes.push(e)}f.pipesCount+=1,P("pipe count=%d opts=%j",f.pipesCount,t);var d=(!t||t.end!==!1)&&e!==n.stdout&&e!==n.stderr,m=d?a:o;f.endEmitted?T(m):h.once("end",m),e.on("unpipe",i);va

r y=g(h);e.on("drain",y);var v=!1,b=!1;return
h.on("data",s),r(e,"error",l),e.once("close",u),e.once("finish",c),e.emit("pipe",h),f.flowing||(P("pipe
resume"),h.resume())},e},a.prototype.unpipe=function(e){var t=this._readableState;if(0===t.pipesCount)return
this;if(1===t.pipesCount)return
e&&e!==t.pipes?this:(e||(e=t.pipes),t.pipes=null,t.pipesCount=0,t.flowing=!1,e&&e.emit("unpipe",this),this);if(!e){
var n=t.pipes,r=t.pipesCount;t.pipes=null,t.pipesCount=0,t.flowing=!1;for(var
i=0;i<r;i++)n[i].emit("unpipe",this);return this}var a=k(t.pipes,e);return a===-
1?this:(t.pipes.splice(a,1),t.pipesCount-
=1,1===t.pipesCount&&(t.pipes=t.pipes[0]),e.emit("unpipe",this),this)},a.prototype.on=function(e,t){var
n=I.prototype.on.call(this,e,t);if("data"===e)this._readableState.flowing!==!1&&this.resume();else
if("readable"===e){var
r=this._readableState;r.endEmitted||r.readableListening||(r.readableListening=r.needReadable=!0,r.emittedReadable
=!1,r.reading?r.length&&h(this,r):T(y,this))}return
n},a.prototype.addListener=a.prototype.on,a.prototype.resume=function(){var e=this._readableState;return
e.flowing||(P("resume"),e.flowing=!0,v(this,e)),this},a.prototype.pause=function(){return P("call pause
flowing=%j",this._readableState.flowing),!1!==this._readableState.flowing&&(P("pause"),this._readableState.flowi
ng=!1,this.emit("pause")),this},a.prototype.wrap=function(e){var
t=this._readableState,n=!1,r=this;e.on("end",function(){if(P("wrapped end"),t.decoder&&!t.ended){var
e=t.decoder.end();e&&e.length&&r.push(e)}r.push(null)}),e.on("data",function(i){if(P("wrapped
data"),t.decoder&&(i=t.decoder.write(i)),(!t.objectMode||null!==i&&void
0!==i)&&(t.objectMode||i&&i.length)){var a=r.push(i);a||(n=!0,e.pause())}});for(var i in e)void
0===this[i]&&"function"==typeof e[i]&&(this[i]=function(t){return function(){return
e[t].apply(e,arguments)}}(i));var a=["error","close","destroy","pause","resume"];return
O(a,function(t){e.on(t,r.emit.bind(r,t))}),r._read=function(t){P("wrapped
_read",t),n&&(n=!1,e.resume())},r},a._fromList=_}).call(this,e("_process"))},{"./_stream_duplex":44,"./internal/str
eams/BufferList":49,_process:42,buffer:5,"buffer-shims":4,"core-util-is":6,events:28,inherits:38,isarray:40,"process-
nextick-args":41,"string_decoder/":56,util:3}],47:[function(e,t,n){"use strict";function
r(e){this.afterTransform=function(t,n){return
i(e,t,n)},this.needTransform=!1,this.transforming=!1,this.writecb=null,this.writechunk=null,this.writeencoding=null
}function i(e,t,n){var r=e._transformState;r.transforming=!1;var i=r.writecb;if(!i)return e.emit("error",new Error("no
writecb in Transform class"));r.writechunk=null,r.writecb=null,null!==n&&void 0!==n&&e.push(n),i(t);var
a=e._readableState;a.reading=!1,(a.needReadable||a.length<a.highWaterMark)&&e._read(a.highWaterMark)}functi
on a(e){if(!(this instanceof a))return new a(e);s.call(this,e),this._transformState=new r(this);var
t=this;this._readableState.needReadable=!0,this._readableState.sync=!1,e&&("function"==typeof
e.transform&&(this._transform=e.transform),"function"==typeof
e.flush&&(this._flush=e.flush)),this.once("prefinish",function(){"function"==typeof
this._flush?this._flush(function(e){o(t,e)}):o(t)})}function o(e,t){if(t)return e.emit("error",t);var
n=e._writableState,r=e._transformState;if(n.length)throw new Error("Calling transform done when ws.length !=
0");if(r.transforming)throw new Error("Calling transform done when still transforming");return
e.push(null)}t.exports=a;var s=e("./_stream_duplex"),l=e("core-util-
is");l.inherits=e("inherits"),l.inherits(a,s),a.prototype.push=function(e,t){return
this._transformState.needTransform=!1,s.prototype.push.call(this,e,t)},a.prototype._transform=function(e,t,n){throw
new Error("Not implemented")},a.prototype._write=function(e,t,n){var
r=this._transformState;if(r.writecb=n,r.writechunk=e,r.writeencoding=t,!r.transforming){var
i=this._readableState;(r.needTransform||i.needReadable||i.length<i.highWaterMark)&&this._read(i.highWaterMark)
}},a.prototype._read=function(e){var
t=this._transformState;null!==t.writechunk&&t.writecb&&!t.transforming?(t.transforming=!0,this._transform(t.writ
echunk,t.writeencoding,t.afterTransform)):t.needTransform=!0}},{"./_stream_duplex":44,"core-util-

is":6,inherits:38}],48:[function(e,t,n){(function(n){"use strict";function r(){}function i(e,t,n){this.chunk=e,this.encoding=t,this.callback=n,this.next=null}function a(t,n){C=C||e("./_stream_duplex"),t=t||{},this.objectMode=!!t.objectMode,n instanceof C&&(this.objectMode=this.objectMode||!!t.writableObjectMode);var r=t.highWaterMark,i=this.objectMode?16:16384;this.highWaterMark=r||0===r?r:i,this.highWaterMark=~~this.highWaterMark,this.needDrain=!1,this.ending=!1,this.ended=!1,this.finished=!1;var a=t.decodeStrings===!1;this.decodeStrings=!a,this.defaultEncoding=t.defaultEncoding||"utf8",this.length=0,this.writing=!1,this.corked=0,this.sync=!0,this.bufferProcessing=!1,this.onwrite=function(e){d(n,e)},this.writecb=null,this.writelen=0,this.bufferedRequest=null,this.lastBufferedRequest=null,this.pendingcb=0,this.prefinished=!1,this.errorEmitted=!1,this.bufferedRequestCount=0,this.corkedRequestsFree=new x(this)}function o(t){return C=C||e("./_stream_duplex"),this instanceof o||this instanceof C?(this._writableState=new a(t,this),this.writable=!0,t&&("function"==typeof t.write&&(this._write=t.write),"function"==typeof t.writev&&(this._writev=t.writev)),void E.call(this)):new o(t)}function s(e,t){var n=new Error("write after end");e.emit("error",n),A(t,n)}function l(e,t,n,r){var i=!0,a=!1;return null===n?a=new TypeError("May not write null values to stream"):k.isBuffer(n)||"string"==typeof n||void 0===n||t.objectMode||(a=new TypeError("Invalid non-string/buffer chunk")),a&&(e.emit("error",a),A(r,a),i=!1),i}function u(e,t,n){return e.objectMode||e.decodeStrings===!1||"string"!=typeof t||(t=T.from(t,n)),t}function c(e,t,n,r,a){n=u(t,n,r),k.isBuffer(n)&&(r="buffer");var o=t.objectMode?1:n.length;t.length+=o;var s=t.length<t.highWaterMark;if(s||(t.needDrain=!0),t.writing||t.corked){var l=t.lastBufferedRequest;t.lastBufferedRequest=new i(n,r,a),l?l.next=t.lastBufferedRequest:t.bufferedRequest=t.lastBufferedRequest,t.bufferedRequestCount+=1}else p(e,t,!1,o,n,r,a);return s}function p(e,t,n,r,i,a,o){t.writelen=r,t.writecb=o,t.writing=!0,t.sync=!0,n?e._writev(i,t.onwrite):e._write(i,a,t.onwrite),t.sync=!1}function h(e,t,n,r,i){--t.pendingcb,n?A(i,r):i(r),e._writableState.errorEmitted=!0,e.emit("error",r)}function f(e){e.writing=!1,e.writecb=null,e.length-=e.writelen,e.writelen=0}function d(e,t){var n=e._writableState,r=n.sync,i=n.writecb;if(f(n),t)h(e,n,r,t,i);else{var a=v(n);a||n.corked||n.bufferProcessing||!n.bufferedRequest||y(e,n),r?S(m,e,n,a,i):m(e,n,a,i)}}function m(e,t,n,r){n||g(e,t),t.pendingcb--,r(),w(e,t)}function g(e,t){0===t.length&&t.needDrain&&(t.needDrain=!1,e.emit("drain"))}function y(e,t){t.bufferProcessing=!0;var n=t.bufferedRequest;if(e._writev&&n&&n.next){var r=t.bufferedRequestCount,i=new Array(r),a=t.corkedRequestsFree;a.entry=n;for(var o=0;n;)i[o]=n,n=n.next,o+=1;p(e,t,!0,t.length,i,"",a.finish),t.pendingcb++,t.lastBufferedRequest=null,a.next?(t.corkedRequestsFree=a.next,a.next=null):t.corkedRequestsFree=new x(t)}else{for(;n;){var s=n.chunk,l=n.encoding,u=n.callback,c=t.objectMode?1:s.length;if(p(e,t,!1,c,s,l,u),n=n.next,t.writing)break}null===n&&(t.lastBufferedRequest=null)}t.bufferedRequestCount=0,t.bufferedRequest=n,t.bufferProcessing=!1}function v(e){return e.ending&&0===e.length&&null===e.bufferedRequest&&!e.finished&&!e.writing}function b(e,t){t.prefinished||(t.prefinished=!0,e.emit("prefinish"))}function w(e,t){var n=v(t);return n&&(0===t.pendingcb?(b(e,t),t.finished=!0,e.emit("finish")):b(e,t)),n}function _(e,t,n){t.ending=!0,w(e,t),n&&(t.finished?A(n):e.once("finish",n)),t.ended=!0,e.writable=!1}function x(e){var t=this;this.next=null,this.entry=null,this.finish=function(n){var r=t.entry;for(t.entry=null;r;){var i=r.callback;e.pendingcb--,i(n),r=r.next}e.corkedRequestsFree?e.corkedRequestsFree.next=t:e.corkedRequestsFree=t}}t.exports=o;var A=e("process-nextick-args"),S=!n.browser&&["v0.10","v0.9."].indexOf(n.version.slice(0,5))>-1?setImmediate:A;o.WritableState=a;var j=e("core-util-is");j.inherits=e("inherits");var E,O={deprecate:e("util-deprecate")};!function(){try{E=e("stream")}catch(t){}finally{E||(E=e("events").EventEmitter)}}();var k=e("buffer").Buffer,T=e("buffer-shims");j.inherits(o,E);var C;a.prototype.getBuffer=function(){for(var e=this.bufferedRequest,t=[];e;)t.push(e),e=e.next;return t},function(){try{Object.defineProperty(a.prototype,"buffer",{get:O.deprecate(function(){return

this.getBuffer()},"_writableState.buffer is deprecated. Use _writableState.getBuffer instead.")})}catch(e){}}();var C;o.prototype.pipe=function(){this.emit("error",new Error("Cannot pipe, not readable"))},o.prototype.write=function(e,t,n){var i=this._writableState,a=!1;return"function"==typeof t&&(n=t,t=null),k.isBuffer(e)?t="buffer":t||(t=i.defaultEncoding),"function"!=typeof n&&(n=r),i.ended?s(this,n):l(this,i,e,n)&&(i.pendingcb++,a=c(this,i,e,t,n)),a},o.prototype.cork=function(){var e=this._writableState;e.corked++},o.prototype.uncork=function(){var e=this._writableState;e.corked&&(e.corked--,e.writing||e.corked||e.finished||e.bufferProcessing||!e.bufferedRequest||y(this,e))},o.prototype.setDefaultEncoding=function(e){if("string"==typeof e&&(e=e.toLowerCase()),!(["hex","utf8","utf-8","ascii","binary","base64","ucs2","ucs-2","utf16le","utf-16le","raw"].indexOf((e+"").toLowerCase())>-1))throw new TypeError("Unknown encoding: "+e);
return this._writableState.defaultEncoding=e,this},o.prototype._write=function(e,t,n){n(new Error("not implemented"))},o.prototype._writev=null,o.prototype.end=function(e,t,n){var r=this._writableState;"function"==typeof e?(n=e,e=null,t=null):"function"==typeof t&&(n=t,t=null),null!==e&&void 0!==e&&this.write(e,t),r.corked&&(r.corked=1,this.uncork()),r.ending||r.finished||_(this,r,n)}}).call(this,e("_process"))},{"./_stream_duplex":44,_process:42,buffer:5,"buffer-shims":4,"core-util-is":6,events:28,inherits:38,"process-nextick-args":41,"util-deprecate":57}],49:[function(e,t,n){"use strict";function r(){this.head=null,this.tail=null,this.length=0}var i=(e("buffer").Buffer,e("buffer-shims"));t.exports=r,r.prototype.push=function(e){var t={data:e,next:null};this.length>0?this.tail.next=t:this.head=t,this.tail=t,++this.length},r.prototype.unshift=function(e){var t={data:e,next:this.head};0===this.length&&(this.tail=t),this.head=t,++this.length},r.prototype.shift=function(){if(0!==this.length){var e=this.head.data;return 1===this.length?this.head=this.tail=null:this.head=this.head.next,--this.length,e}},r.prototype.clear=function(){this.head=this.tail=null,this.length=0},r.prototype.join=function(e){if(0===this.length)return"";for(var t=this.head,n=""+t.data;t=t.next;)n+=e+t.data;return n},r.prototype.concat=function(e){if(0===this.length)return i.alloc(0);if(1===this.length)return this.head.data;for(var t=i.allocUnsafe(e>>>0),n=this.head,r=0;n;)n.data.copy(t,r),r+=n.data.length,n=n.next;return t}},{buffer:5,"buffer-shims":4}],50:[function(e,t,n){t.exports=e("./lib/_stream_passthrough.js")},{"./lib/_stream_passthrough.js":45}],51:[function(e,t,n){(function(r){var i=function(){try{return e("stream")}catch(t){}}();n=t.exports=e("./lib/_stream_readable.js"),n.Stream=i||n,n.Readable=n,n.Writable=e("./lib/_stream_writable.js"),n.Duplex=e("./lib/_stream_duplex.js"),n.Transform=e("./lib/_stream_transform.js"),n.PassThrough=e("./lib/_stream_passthrough.js"),!r.browser&&"disable"===r.env.READABLE_STREAM&&i&&(t.exports=i)}).call(this,e("_process"))},{"./lib/_stream_duplex.js":44,"./lib/_stream_passthrough.js":45,"./lib/_stream_readable.js":46,"./lib/_stream_transform.js":47,"./lib/_stream_writable.js":48,_process:42}],52:[function(e,t,n){t.exports=e("./lib/_stream_transform.js")},{"./lib/_stream_transform.js":47}],53:[function(e,t,n){t.exports=e("./lib/_stream_writable.js")},{"./lib/_stream_writable.js":48}],54:[function(e,t,n){t.exports=function(e){return e.replace(/[-\\^$*+?.()|[\]{}]/g,"\\$&")}},{}],55:[function(e,t,n){function r(){i.call(this)}t.exports=r;var i=e("events").EventEmitter,a=e("inherits");a(r,i),r.Readable=e("readable-stream/readable.js"),r.Writable=e("readable-stream/writable.js"),r.Duplex=e("readable-stream/duplex.js"),r.Transform=e("readable-stream/transform.js"),r.PassThrough=e("readable-stream/passthrough.js"),r.Stream=r,r.prototype.pipe=function(e,t){function n(t){e.writable&&!1===e.write(t)&&u.pause&&u.pause()}function r(){u.readable&&u.resume&&u.resume()}function a(){c||(c=!0,e.end())}function o(){c||(c=!0,"function"==typeof e.destroy&&e.destroy())}function s(e){if(l(),0===i.listenerCount(this,"error"))throw e}function l(){u.removeListener("data",n),e.removeListener("drain",r),u.removeListener("end",a),u.removeListener("close",o),u.removeListener("error",s),e.removeListener("error",s),u.removeListener("end",l),u.removeListener("close",l),e.removeListener("close",l)}var

u=this;u.on("data",n),e.on("drain",r),e._isStdio||t&&t.end===!1||(u.on("end",a),u.on("close",o));var c=!1;return u.on("error",s),e.on("error",s),u.on("end",l),u.on("close",l),e.on("close",l),e.emit("pipe",u),e}},{events:28,inherits:38,"readable-stream/duplex.js":43,"readable-stream/passthrough.js":50,"readable-stream/readable.js":51,"readable-stream/transform.js":52,"readable-stream/writable.js":53}],56:[function(e,t,n){function r(e){if(e&&!l(e))throw new Error("Unknown encoding: "+e)}function i(e){return e.toString(this.encoding)}function a(e){this.charReceived=e.length%2,this.charLength=this.charReceived?2:0}function o(e){this.charReceived=e.length%3,this.charLength=this.charReceived?3:0}var s=e("buffer").Buffer,l=s.isEncoding||function(e){switch(e&&e.toLowerCase()){case"hex":case"utf8":case"utf-8":case"ascii":case"binary":case"base64":case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":case"raw":return!0;default:return!1}},u=n.StringDecoder=function(e){switch(this.encoding=(e||"utf8").toLowerCase().replace(/[-_]/,""),r(e),this.encoding){case"utf8":this.surrogateSize=3;break;case"ucs2":case"utf16le":this.surrogateSize=2,this.detectIncompleteChar=a;break;case"base64":this.surrogateSize=3,this.detectIncompleteChar=o;break;default:return void(this.write=i)}this.charBuffer=new s(6),this.charReceived=0,this.charLength=0};u.prototype.write=function(e){for(var t="";this.charLength;){var n=e.length>=this.charLength-this.charReceived?this.charLength-this.charReceived:e.length;if(e.copy(this.charBuffer,this.charReceived,0,n),this.charReceived+=n,this.charReceived<this.charLength)return"";e=e.slice(n,e.length),t=this.charBuffer.slice(0,this.charLength).toString(this.encoding);var r=t.charCodeAt(t.length-1);if(!(r>=55296&&r<=56319)){if(this.charReceived=this.charLength=0,0===e.length)return t;break}this.charLength+=this.surrogateSize,t=""}this.detectIncompleteChar(e);var i=e.length;this.charLength&&(e.copy(this.charBuffer,0,e.length-this.charReceived,i),i-=this.charReceived),t+=e.toString(this.encoding,0,i);var i=t.length-1,r=t.charCodeAt(i);if(r>=55296&&r<=56319){var a=this.surrogateSize;return this.charLength+=a,this.charReceived+=a,this.charBuffer.copy(this.charBuffer,a,0,a),e.copy(this.charBuffer,0,0,a),t.substring(0,i)}return t},u.prototype.detectIncompleteChar=function(e){for(var t=e.length>=3?3:e.length;t>0;t--){var n=e[e.length-t];if(1==t&&n>>5==6){this.charLength=2;break}if(t<=2&&n>>4==14){this.charLength=3;break}if(t<=3&&n>>3==30){this.charLength=4;break}}this.charReceived=t},u.prototype.end=function(e){var t="";if(e&&e.length&&(t=this.write(e)),this.charReceived){var n=this.charReceived,r=this.charBuffer,i=this.encoding;t+=r.slice(0,n).toString(i)}return t}},{buffer:5}],57:[function(e,t,n){(function(e){function n(e,t){function n(){if(!i){if(r("throwDeprecation"))throw new Error(t);r("traceDeprecation")?console.trace(t):console.warn(t),i=!0}return e.apply(this,arguments)}if(r("noDeprecation"))return e;var i=!1;return n}function r(t){try{if(!e.localStorage)return!1}catch(n){return!1}var r=e.localStorage[t];return null!=r&&"true"===String(r).toLowerCase()}t.exports=n}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{}],58:[function(e,t,n){function r(){for(var e={},t=0;t<arguments.length;t++){var n=arguments[t];for(var r in n)i.call(n,r)&&(e[r]=n[r])}return e}t.exports=r;var i=Object.prototype.hasOwnProperty},{}]},{},[1])(1)}),function(e){if("object"==typeof exports&&"undefined"!=typeof module)module.exports=e();else if("function"==typeof define&&define.amd)define([],e);else{var t;t="undefined"!=typeof window?window:"undefined"!=typeof global?global:"undefined"!=typeof self?self:this,t.SwaggerClient=e()}}(function(){var t;return function n(e,t,r){function i(o,s){if(!t[o]){if(!e[o]){var l="function"==typeof require&&require;if(!s&&l)return l(o,!0);if(a)return a(o,!0);var u=new Error("Cannot find module '"+o+"'");throw u.code="MODULE_NOT_FOUND",u}var c=t[o]={exports:{}};e[o][0].call(c.exports,function(t){var n=e[o][1][t];return i(n?n:t)},c,c.exports,n,e,t,r)}return t[o].exports}for(var a="function"==typeof require&&require,o=0;o<r.length;o++)i(r[o]);return i}({1:[function(e,t,n){"use strict";var

r=e("./lib/auth"),i=e("./lib/helpers"),a=e("./lib/client"),o=function(e,t){return i.log('This is deprecated, use "new SwaggerClient" instead.'),new a(e,t)};Array.prototype.indexOf||(Array.prototype.indexOf=function(e,t){for(var n=t||0,r=this.length;n<r;n++)if(this[n]===e)return n;return-1}),String.prototype.trim||(String.prototype.trim=function(){return this.replace(/^\s+|\s+$/g,"")}),String.prototype.endsWith||(String.prototype.endsWith=function(e){return this.indexOf(e,this.length-e.length)!==-1}),t.exports=a,a.ApiKeyAuthorization=r.ApiKeyAuthorization,a.PasswordAuthorization=r.PasswordAuthorization,a.CookieAuthorization=r.CookieAuthorization,a.SwaggerApi=o,a.SwaggerClient=o,a.SchemaMarkup=e("./lib/schema-markup")},{"./lib/auth":2,"./lib/client":3,"./lib/helpers":4,"./lib/schema-markup":7}],2:[function(e,t,n){"use strict";var r=e("./helpers"),i=e("btoa"),a=e("cookiejar").CookieJar,o={each:e("lodash-compat/collection/each"),includes:e("lodash-compat/collection/includes"),isObject:e("lodash-compat/lang/isObject"),isArray:e("lodash-compat/lang/isArray")},s=t.exports.SwaggerAuthorizations=function(e){this.authz=e||{}};s.prototype.add=function(e,t){if(o.isObject(e))for(var n in e)this.authz[n]=e[n];else"string"==typeof e&&(this.authz[e]=t);return t},s.prototype.remove=function(e){return delete this.authz[e]},s.prototype.apply=function(e,t){var n=!0,r=!t,i=[],a=e.clientAuthorizations||this.authz;return o.each(t,function(e,t){"string"==typeof t&&i.push(t),o.each(e,function(e,t){i.push(t)})}),o.each(a,function(t,a){if(r||o.includes(i,a)){var s=t.apply(e);n=n&&!!s}}),n};var l=t.exports.ApiKeyAuthorization=function(e,t,n){this.name=e,this.value=t,this.type=n};l.prototype.apply=function(e){if("query"===this.type){var t;if(e.url.indexOf("?")>0){t=e.url.substring(e.url.indexOf("?")+1);var n=t.split("&");if(n&&n.length>0)for(var r=0;r<n.length;r++){var i=n[r].split("=");if(i&&i.length>0&&i[0]===this.name)return!1}}return e.url.indexOf("?")>0?e.url=e.url+"&"+this.name+"="+this.value:e.url=e.url+"?"+this.name+"="+this.value,!0}if("header"===this.type)return"undefined"==typeof e.headers[this.name]&&(e.headers[this.name]=this.value),!0};var u=t.exports.CookieAuthorization=function(e){this.cookie=e};u.prototype.apply=function(e){return e.cookieJar=e.cookieJar||new a,e.cookieJar.setCookie(this.cookie),!0};var c=t.exports.PasswordAuthorization=function(e,t){3===arguments.length&&(r.log("PasswordAuthorization: the 'name' argument has been removed, pass only username and password"),e=arguments[1],t=arguments[2]),this.username=e,this.password=t};c.prototype.apply=function(e){return"undefined"==typeof e.headers.Authorization&&(e.headers.Authorization="Basic "+i(this.username+":"+this.password)),!0}},{"./helpers":4,btoa:13,cookiejar:18,"lodash-compat/collection/each":52,"lodash-compat/collection/includes":55,"lodash-compat/lang/isArray":140,"lodash-compat/lang/isObject":144}],3:[function(e,t,n){"use strict";var r={bind:e("lodash-compat/function/bind"),cloneDeep:e("lodash-compat/lang/cloneDeep"),find:e("lodash-compat/collection/find"),forEach:e("lodash-compat/collection/forEach"),indexOf:e("lodash-compat/array/indexOf"),isArray:e("lodash-compat/lang/isArray"),isObject:e("lodash-compat/lang/isObject"),isFunction:e("lodash-compat/lang/isFunction"),isPlainObject:e("lodash-compat/lang/isPlainObject"),isUndefined:e("lodash-compat/lang/isUndefined")},i=e("./auth"),a=e("./helpers"),o=e("./types/model"),s=e("./types/operation"),l=e("./types/operationGroup"),u=e("./resolver"),c=e("./http"),p=e("./spec-converter"),h=e("q"),f=["apis","authorizationScheme","authorizations","basePath","build","buildFrom1_1Spec","buildFrom1_2Spec","buildFromSpec","clientAuthorizations","convertInfo","debug","defaultErrorCallback","defaultSuccessCallback","enableCookies","fail","failure","finish","help","host","idFromOp","info","initialize","isBuilt","isValid","modelPropertyMacro","models","modelsArray","options","parameterMacro","parseUri","progress","resourceCount","sampleModels","selfReflect","setConsolidatedModels","spec","supportedSubmitMethods","swaggerRequestHeaders","tagFromLabel","title","url","useJQuery","jqueryAjaxCache"],d=["apis","asCurl","description","externalDocs","help","label","name","operation","operations","operationsArray","path","tag"],m=["delete","get","head","options","patch","post","put"],g=t.exports=function(e,t){return

this.authorizations=null,this.authorizationScheme=null,this.basePath=null,this.debug=!1,this.enableCookies=!1,this.
info=null,this.isBuilt=!1,this.isValid=!1,this.modelsArray=[],this.resourceCount=0,this.url=null,this.useJQuery=!1,t
his.jqueryAjaxCache=!1,this.swaggerObject={},this.deferredClient=void 0,this.clientAuthorizations=new
i.SwaggerAuthorizations,"undefined"!=typeof
e?this.initialize(e,t):this};g.prototype.initialize=function(e,t){if(this.models={},this.sampleModels={},"string"==typ
eof e?this.url=e:r.isObject(e)&&(t=e,this.url=t.url),this.url&&this.url.indexOf("http:")===-
1&&this.url.indexOf("https:")===-1&&"undefined"!=typeof
window&&window&&window.location&&(this.url=window.location.origin+this.url),t=t||{},this.clientAuthorizatio
ns.add(t.authorizations),this.swaggerRequestHeaders=t.swaggerRequestHeaders||"application/json;charset=utf-
8,*/*",this.defaultSuccessCallback=t.defaultSuccessCallback||null,this.defaultErrorCallback=t.defaultErrorCallback||
null,this.modelPropertyMacro=t.modelPropertyMacro||null,this.connectionAgent=t.connectionAgent||null,this.param
eterMacro=t.parameterMacro||null,this.usePromise=t.usePromise||null,this.timeout=t.timeout||null,this.fetchSpecTim
eout="undefined"!=typeof
t.fetchSpecTimeout?t.fetchSpecTimeout:t.timeout||null,this.usePromise&&(this.deferredClient=h.defer()),"function"
==typeof
t.success&&(this.success=t.success),t.useJQuery&&(this.useJQuery=t.useJQuery),t.jqueryAjaxCache&&(this.jquer
yAjaxCache=t.jqueryAjaxCache),t.enableCookies&&(this.enableCookies=t.enableCookies),this.options=t||{},this.o
ptions.timeout=this.timeout,this.options.fetchSpecTimeout=this.fetchSpecTimeout,this.supportedSubmitMethods=t.
supportedSubmitMethods||[],this.failure=t.failure||function(e){throw
e},this.progress=t.progress||function(){},this.spec=r.cloneDeep(t.spec),t.scheme&&(this.scheme=t.scheme),this.use
Promise||"function"==typeof t.success)return
this.ready=!0,this.build()},g.prototype.build=function(e){if(this.isBuilt)return this;var
t=this;this.spec?this.progress("fetching resource list; Please wait."):this.progress("fetching resource list: "+this.url+";
Please wait.");var
n={useJQuery:this.useJQuery,jqueryAjaxCache:this.jqueryAjaxCache,connectionAgent:this.connectionAgent,url:thi
s.url,method:"get",headers:{accept:this.swaggerRequestHeaders},on:{error:function(e){return"http"!==t.url.substrin
g(0,4)?t.fail("Please specify the protocol for
"+t.url):!e.errObj||"ECONNABORTED"!==e.errObj.code&&e.errObj.message.indexOf("timeout")===-
1?0===e.status?t.fail("Can't read from server. It may not have the appropriate access-control-origin
settings."):404===e.status?t.fail("Can't read swagger JSON from "+t.url):t.fail(e.status+" : "+e.statusText+"
"+t.url):t.fail("Request timed out after "+t.fetchSpecTimeout+"ms")},response:function(e){var n=e.obj;if(!n)return
t.fail("failed to parse JSON/YAML
response");if(t.swaggerVersion=n.swaggerVersion,t.swaggerObject=n,n.swagger&&2===parseInt(n.swagger))t.swa
ggerVersion=n.swagger,(new u).resolve(n,t.url,t.buildFromSpec,t),t.isValid=!0;else{var r=new
p;t.oldSwaggerObject=t.swaggerObject,r.setDocumentationLocation(t.url),r.convert(n,t.clientAuthorizations,t.option
s,function(e){t.swaggerObject=e,(new
u).resolve(e,t.url,t.buildFromSpec,t),t.isValid=!0})}}};if(this.fetchSpecTimeout&&(n.timeout=this.fetchSpecTime
out),this.spec)t.swaggerObject=this.spec,setTimeout(function(){(new
u).resolve(t.spec,t.url,t.buildFromSpec,t)},10);else{if(this.clientAuthorizations.apply(n),e)return n;(new
c).execute(n,this.options)}return
this.usePromise?this.deferredClient.promise:this},g.prototype.buildFromSpec=function(e){if(this.isBuilt)return
this;this.apis={},this.apisArray=[],this.basePath=e.basePath||"",this.consumes=e.consumes,this.host=e.host||"",this.in
fo=e.info||{},this.produces=e.produces,this.schemes=e.schemes||[],this.securityDefinitions=r.cloneDeep(e.securityD
efinitions),this.security=e.security,this.title=e.title||"";var
t,n,i,u,c={},p=this;if(e.externalDocs&&(this.externalDocs=e.externalDocs),this.authSchemes=this.securityDefinitio
ns,this.securityDefinitions)for(t in this.securityDefinitions){var
h=this.securityDefinitions[t];h.vendorExtensions={};for(var g in h)if(a.extractExtensions(g,h),"scopes"===g){var
y=h[g];if("object"==typeof y){y.vendorExtensions={};for(var v in

y)a.extractExtensions(v,y)}}}if(Array.isArray(e.tags))for(c={},n=0;n<e.tags.length;n++){var
b=r.cloneDeep(e.tags[n]);c[b.name]=b;for(u in b){if("externalDocs"===u&&"object"==typeof b[u])for(var w in
b[u])a.extractExtensions(w,b[u]);a.extractExtensions(u,b)}}if("string"==typeof
this.url){if(i=this.parseUri(this.url),"undefined"==typeof this.scheme&&"undefined"==typeof
this.schemes||0===this.schemes.length)"undefined"!=typeof
window?this.scheme=window.location.protocol.replace(":",""):this.scheme=i.scheme||"http";else
if("undefined"==typeof this.scheme)if("undefined"!=typeof window){var
=window.location.protocol.replace(":","");"https"===&&this.schemes.indexOf(_)===-1?(a.log("Cannot call a
http server from https inside a browser!"),this.scheme="http"):this.schemes.indexOf(_)!==-
1?this.scheme=_:this.schemes.indexOf("https")!==-1?this.scheme="https":this.scheme="http"}else
this.scheme=this.schemes[0]||i.scheme;"undefined"!=typeof
this.host&&""!==this.host||(this.host=i.host,i.port&&(this.host=this.host+":"+i.port))}else"undefined"==typeof
this.schemes||0===this.schemes.length?this.scheme="http":"undefined"==typeof
this.scheme&&(this.scheme=this.schemes[0]);this.definitions=e.definitions;for(t in this.definitions){var x=new
o(t,this.definitions[t],this.models,this.modelPropertyMacro);x&&(this.models[t]=x)}p.apis.help=r.bind(p.help,p),r.f
orEach(e.paths,function(e,t){r.isPlainObject(e)&&r.forEach(m,function(n){var
i=e[n];if(!r.isUndefined(i)){if(!r.isPlainObject(i))return void a.log("The '"+n+"' operation for '"+t+"' path is not an
Operation Object");var o=i.tags;!r.isUndefined(o)&&r.isArray(o)&&0!==o.length||(o=i.tags=["default"]);var
h=p.idFromOp(t,n,i),m=new
s(p,i.scheme,h,n,t,i,p.definitions,p.models,p.clientAuthorizations);m.vendorExtensions={};for(u in
i)a.extractExtensions(u,m,i[u]);if(m.externalDocs=i.externalDocs,m.externalDocs){m.externalDocs=r.cloneDeep(m.
externalDocs),m.externalDocs.vendorExtensions={};for(u in
m.externalDocs)a.extractExtensions(u,m.externalDocs)}r.forEach(o,function(e){var t=r.indexOf(f,e)>-
1?"_"+e:e,n=r.indexOf(d,e)>-1?"_"+e:e,i=p[t];if(t!==e&&a.log("The '"+e+"' tag conflicts with a SwaggerClient
function/property name. Use 'client."+t+"' or 'client.apis."+e+"' instead of 'client."+e+"'."),n!==e&&a.log("The
'"+e+"' tag conflicts with a SwaggerClient operation function/property name. Use 'client.apis."+n+"' instead of
'client.apis."+e+"'."),r.indexOf(d,h)>-1&&(a.log("The '"+h+"' operationId conflicts with a SwaggerClient operation
function/property name. Use 'client.apis."+n+"._"+h+"' instead of
'client.apis."+n+"."+h+"'."),h="_"+h,m.nickname=h),r.isUndefined(i)){i=p[t]=p.apis[n]={},i.operations={},i.label=n
,i.apis={};var
o=c[e];r.isUndefined(o)||(i.description=o.description,i.externalDocs=o.externalDocs,i.vendorExtensions=o.vendorEx
tensions),p[t].help=r.bind(p.help,i),p.apisArray.push(new
l(e,i.description,i.externalDocs,m))}h=p.makeUniqueOperationId(h,p.apis[n]),r.isFunction(i.help)||(i.help=r.bind(p.h
elp,i)),p.apis[n][h]=i[h]=r.bind(m.execute,m),p.apis[n][h].help=i[h].help=r.bind(m.help,m),p.apis[n][h].asCurl=i[h].
asCurl=r.bind(m.asCurl,m),i.apis[h]=i.operations[h]=m;var s=r.find(p.apisArray,function(t){return
t.tag===e});s&&s.operationsArray.push(m)})}})});var A=[];return r.forEach(Object.keys(c),function(e){var t;for(t
in p.apisArray){var
n=p.apisArray[t];n&&e===n.name&&(A.push(n),p.apisArray[t]=null)}}),r.forEach(p.apisArray,function(e){e&&A
.push(e)}),p.apisArray=A,r.forEach(e.definitions,function(e,t){e.id=t.toLowerCase(),e.name=t,p.modelsArray.push(
e)}),this.isBuilt=!0,this.usePromise?(this.isValid=!0,this.isBuilt=!0,this.deferredClient.resolve(this),this.deferredCli
ent.promise):(this.success&&this.success(),this)}},g.prototype.makeUniqueOperationId=function(e,t){for(var
n=0,i=e;;){var a=!1;if(r.forEach(t.operations,function(e){e.nickname===i&&(a=!0)}),!a)return
i;i=e+"_"+n,n++}return e},g.prototype.parseUri=function(e){var
t=/^(((([^:\/#\?]+:)?(?:(\/\/)((?:(([^:@\/#\?]+)(?:\:([^:@\/#\?]+))?)@)?(([^:\/#\?\]\[]+|\[[^\/\]@#?]+\])(?:\:([0-
9]+))?)?)?)?)?((\/?(?:[^\/\?#]+\/+)*)([^\?#]*))?(\?[^#]+)?)?(#.*)?/,n=t.exec(e);return{scheme:n[4]?n[4].replace(":",""):
void 0,host:n[11],port:n[12],path:n[15]}},g.prototype.help=function(e){var t="";return this instanceof
g?r.forEach(this.apis,function(e,n){r.isPlainObject(e)&&(t+="operations for the '"+n+"'
tag\n",r.forEach(e.operations,function(e,n){t+=" * "+n+": "+e.summary+"\n"}))}):(this instanceof

l||r.isPlainObject(this))&&(t+="operations for the '"+this.label+"' tag\n",r.forEach(this.apis,function(e,n){t+=" *
"+n+": "+e.summary+"\n"})),e?t:(a.log(t),t)},g.prototype.tagFromLabel=function(e){return
e},g.prototype.idFromOp=function(e,t,n){n&&n.operationId||(n=n||{},n.operationId=t+"_"+e);var
r=n.operationId.replace(/[\s!@#$%^&*()_+=\[{\]};:<>|.\/?,\\""'-]/g,"_")||e.substring(1)+"_"+t;return
r=r.replace(/((_){2,})/g,"_"),r=r.replace(/^(_)*/g,""),r=r.replace(/((_])*$/g,"")},g.prototype.setHost=function(e){this.
host=e,this.apis&&r.forEach(this.apis,function(t){t.operations&&r.forEach(t.operations,function(t){t.host=e})})},g.
prototype.setBasePath=function(e){this.basePath=e,this.apis&&r.forEach(this.apis,function(t){t.operations&&r.forE
ach(t.operations,function(t){t.basePath=e})})},g.prototype.setSchemes=function(e){this.schemes=e,e&&e.length>0
&&this.apis&&r.forEach(this.apis,function(t){t.operations&&r.forEach(t.operations,function(t){t.scheme=e[0]})})})}
,g.prototype.fail=function(e){return
this.usePromise?(this.deferredClient.reject(e),this.deferredClient.promise):void(this.failure?this.failure(e):this.failure
(e))}},{"./auth":2,"./helpers":4,"./http":5,"./resolver":6,"./spec-
converter":8,"./types/model":9,"./types/operation":10,"./types/operationGroup":11,"lodash-
compat/array/indexOf":49,"lodash-compat/collection/find":53,"lodash-compat/collection/forEach":54,"lodash-
compat/function/bind":58,"lodash-compat/lang/cloneDeep":138,"lodash-compat/lang/isArray":140,"lodash-
compat/lang/isFunction":142,"lodash-compat/lang/isObject":144,"lodash-compat/lang/isPlainObject":145,"lodash-
compat/lang/isUndefined":148,q:157}],4:[function(e,t,n){(function(n){"use strict";var r={isPlainObject:e("lodash-
compat/lang/isPlainObject"),indexOf:e("lodash-compat/array/indexOf")};t.exports.__bind=function(e,t){return
function(){return e.apply(t,arguments)}};var
i=t.exports.log=function(){console&&"test"!==n.env.NODE_ENV&&console.log(Array.prototype.slice.call(argum
ents)[0])};t.exports.fail=function(e){i(e)},t.exports.optionHtml=function(e,t){return'<tr><td
class="optionName">'+e+":</td><td>"+t+"</td></tr>"};var a=t.exports.resolveSchema=function(e){return
r.isPlainObject(e.schema)&&(e=a(e.schema)),e};t.exports.simpleRef=function(e){return"undefined"==typeof
e?null:0===e.indexOf("#/definitions/")?e.substring("#/definitions/".length):e},t.exports.extractExtensions=function(
e,t,n){e&&t&&"string"==typeof e&&0===e.indexOf("x-
")&&(t.vendorExtensions=t.vendorExtensions||{},n?t.vendorExtensions[e]=n:t.vendorExtensions[e]=t[e])}}).call(thi
s,e("_process"))},{_process:12,"lodash-compat/array/indexOf":49,"lodash-
compat/lang/isPlainObject":145}],5:[function(t,n,r){(function(r){"use strict";var
i=t("./helpers"),a=t("superagent"),o=t("js-yaml"),s={isObject:t("lodash-compat/lang/isObject"),keys:t("lodash-
compat/object/keys")},l=function(){this.type="JQueryHttpClient"},u=function(){this.type="SuperagentHttpClient"}
,c=n.exports=function(){};c.prototype.execute=function(t,n){var r;r=n&&n.client?n.client:new u(n),r.opts=n||{};var
i=!1;if("undefined"!=typeof window&&"undefined"!=typeof
window.jQuery&&(i=!0),"options"===t.method.toLowerCase()&&"SuperagentHttpClient"===r.type&&(e("forcing
jQuery as OPTIONS are not supported by
SuperAgent"),t.useJQuery=!0),this.isInternetExplorer()&&(t.useJQuery===!1||!i))throw new Error("Unsupported
configuration! JQuery is required but not
available");(t&&t.useJQuery===!0||this.isInternetExplorer()&&i)&&(r=new l(n));var
a=t.on.response,o=t.on.error,c=function(e){return
n&&n.requestInterceptor&&(e=n.requestInterceptor.apply(e)),e},p=function(e){return
n&&n.responseInterceptor&&(e=n.responseInterceptor.apply(e)),a(e)},h=function(e){n&&n.responseInterceptor&
&(e=n.responseInterceptor.apply(e)),o(e)};return
t.on.error=function(e){h(e)},t.on.response=function(e){p(e)},s.isObject(t)&&s.isObject(t.body)&&t.body.type&&"f
ormData"===t.body.type&&n.useJQuery&&(t.contentType=!1,t.processData=!1,delete t.headers["Content-
Type"]),t=c(t)||t,t.beforeSend?t.beforeSend(function(e){r.execute(e||t)}):r.execute(t),t.deferred?t.deferred.promise:t},
c.prototype.isInternetExplorer=function(){var e=!1;if("undefined"!=typeof navigator&&navigator.userAgent){var
t=navigator.userAgent.toLowerCase();if(t.indexOf("msie")!==-1){var
n=parseInt(t.split("msie")[1]);n<=8&&(e=!0)}}return e},l.prototype.execute=function(e){var
t=this.jQuery||"undefined"!=typeof window&&window.jQuery,n=e.on,r=e;if("undefined"==typeof t||t===!1)throw

new Error("Unsupported configuration! JQuery is required but not available");return
e.type=e.method,e.cache=e.jqueryAjaxCache,e.data=e.body,delete e.jqueryAjaxCache,delete e.useJQuery,delete
e.body,e.complete=function(e){for(var t={},a=e.getAllResponseHeaders().split("\n"),s=0;s<a.length;s++){var
l=a[s].trim();if(0!==l.length){var u=l.indexOf(":");if(u!==-1){var
c=l.substring(0,u).trim(),p=l.substring(u+1).trim();t[c]=p}else t[l]=null}}var
h={url:r.url,method:r.method,status:e.status,statusText:e.statusText,data:e.responseText,headers:t};try{var
f=e.responseJSON||o.safeLoad(e.responseText);h.obj="string"==typeof f?{}:f}catch(d){i.log("unable to parse
JSON/YAML
content")}if(h.obj=h.obj||null,e.status>=200&&e.status<300)n.response(h);else{if(!(0===e.status||e.status>=400&&
e.status<599))return n.response(h);n.error(h)}},t.support.cors=!0,t.ajax(e)},u.prototype.execute=function(e){var
t=e.connectionAgent,n=e.method.toLowerCase(),l=e.timeout;"delete"===n&&(n="del");var
u=e.headers||{},c=a[n](e.url);t&&c.agent(t),l&&c.timeout(l),e.enableCookies&&c.withCredentials();var
p=e.headers.Accept;if(this.binaryRequest(p)&&c.on("request",function(){this.xhr&&(this.xhr.responseType="blob"
)}),e.body)if(s.isObject(e.body)){var h=e.headers["Content-Type"]||"";if(0===h.indexOf("multipart/form-
data"))if(delete u["Content-Type"],"[object FormData]"==={}.toString.apply(e.body))c.send(e.body);else{var
f,d,m;for(f in e.body)if(d=e.body[f],Array.isArray(d))for(m in d)c.field(f,m);else c.field(f,d)}else
s.isObject(e.body)&&(e.body=JSON.stringify(e.body),c.send(e.body))}else c.send(e.body);var g;for(g in
u)c.set(g,u[g]);"function"==typeof c.buffer&&c.buffer(),c.end(function(t,n){n=n||{status:0,headers:{error:"no
response from server"}};var
a,l={url:e.url,method:e.method,headers:n.headers};if(!t&&n.error&&(t=n.error),t&&e.on&&e.on.error){if(l.errObj
=t,l.status=n?n.status:500,l.statusText=n?n.text:t.message,n.headers&&n.headers["content-
type"]&&n.headers["content-
type"].indexOf("application/json")>=0)try{l.obj=JSON.parse(l.statusText)}catch(u){l.obj=null}a=e.on.error}else
if(n&&e.on&&e.on.response){var c;if(n.body&&s.keys(n.body).length>0)c=n.body;else
try{c=o.safeLoad(n.text),c="string"==typeof c?null:c}catch(u){i.log("cannot parse JSON/YAML
content")}"function"==typeof r&&r.isBuffer(c)?l.data=c:l.obj="object"==typeof
c?c:null,l.status=n.status,l.statusText=n.text,a=e.on.response}n.xhr&&n.xhr.response?l.data=n.xhr.response:l.data||(l
.data=l.statusText),a&&a(l)})},u.prototype.binaryRequest=function(e){return!!e&&(/^image/i.test(e)||/^application\/
pdf/.test(e))}}).call(this,t("buffer").Buffer)},{"./helpers":4,buffer:14,"js-yaml":19,"lodash-
compat/lang/isObject":144,"lodash-compat/object/keys":149,superagent:158}],6:[function(e,t,n){"use
strict";function r(e){var t={},n=/[a-z]+:\/\//i.exec(e);n&&(t.proto=n[0].slice(0,-
3),e=e.slice(t.proto.length+1)),"//"===e.slice(0,2)&&(t.domain=e.slice(2).split("/")[0],e=e.slice(2+t.domain.length))
;var r=e.split("#");return r[0].length&&(t.path=r[0]),r.length>1&&(t.fragment=r.slice(1).join("#")),t}function
i(e){var t=e.path;return void 0===t&&(t=""),void 0!==e.fragment&&(t+="#"+e.fragment),void
0!==e.domain&&("/"===t.slice(0,1)&&(t=t.slice(1)),t="//"+e.domain+"/"+t,void
0!==e.proto&&(t=e.proto+":"+t)),t}function a(e,t){var n=r(t);if(void 0!==n.domain)return t;var a=r(e);if(void
0===n.path)a.fragment=n.fragment;else if("/"===n.path.slice(0,1))a.path=n.path,a.fragment=n.fragment;else{var
o=void
0===a.path?[]:a.path.split("/"),s=n.path.split("/");for(o.length&&o.pop();".."===s[0]||"."===s[0];)".."===s[0]&&o.p
op(),s.shift();a.path=o.concat(s).join("/"),a.fragment=n.fragment}return i(a)}var o=e("./http"),s={isObject:e("lodash-
compat/lang/isObject"),cloneDeep:e("lodash-compat/lang/cloneDeep"),isArray:e("lodash-
compat/lang/isArray"),isString:e("lodash-
compat/lang/isString")},l=t.exports=function(){this.failedUrls=[],this.resolverCache={},this.pendingUrls={}};l.prot
otype.processAllOf=function(e,t,n,r,i,a){var o,s,l;n["x-resolved-from"]=["#/definitions/"+t];var
u=n.allOf;for(u.sort(function(e,t){return e.$ref&&t.$ref?0:e.$ref?-
1:1}),o=0;o<u.length;o++)l=u[o],s="/definitions/"+t+"/allOf",this.resolveInline(e,a,l,r,i,s)},l.prototype.resolve=funct
ion(e,t,n,r){this.spec=e;var i,a,l=t,u=n,c=r,p={};"function"==typeof t&&(l=null,u=t,c=n);var
h,f=l;this.scope=c||this,this.iteration=this.iteration||0,this.scope.options&&this.scope.options.requestInterceptor&&(

p.requestInterceptor=this.scope.options.requestInterceptor),this.scope.options&&this.scope.options.responseIntercep
tor&&(p.responseInterceptor=this.scope.options.responseInterceptor);var
d,m,g,y,v,b,w,_=0,x={},A={},S=[];e.definitions=e.definitions||{};for(d in e.definitions){var
j=e.definitions[d];if(j.$ref)this.resolveInline(l,e,j,S,A,j);else{for(y in
j.properties)g=j.properties[y],s.isArray(g.allOf)?this.processAllOf(l,d,g,S,A,e):this.resolveTo(l,g,S,"/definitions");j.a
llOf&&this.processAllOf(l,d,j,S,A,e)}}e.parameters=e.parameters||{};for(d in
e.parameters){if(v=e.parameters[d],"body"===v["in"]&&v.schema)if(s.isArray(v.schema.allOf)){h="inline_model"
;var E=h;for(b=!1,w=0;!b;){if("undefined"==typeof
e.definitions[E]){b=!0;break}E=h+"_"+w,w++}e.definitions[E]={allOf:v.schema.allOf},delete
v.schema.allOf,v.schema.$ref="#/definitions/"+E,this.processAllOf(l,E,e.definitions[E],S,A,e)}else
this.resolveTo(l,v.schema,S,i);v.$ref&&this.resolveInline(l,e,v,S,A,v.$ref)}for(d in e.paths){var
O,k,T;if(m=e.paths[d],"object"==typeof m){for(O in
m)if("$ref"===O)i="/paths"+d,this.resolveInline(l,e,m,S,A,i);else{k=m[O];var
C=m.parameters||[],I=k.parameters||[];for(a in
C)v=C[a],I.unshift(v);"parameters"!==O&&s.isObject(k)&&(k.parameters=k.parameters||I);for(a in
I){if(v=I[a],i="/paths"+d+"/"+O+"/parameters","body"===v["in"]&&v.schema)if(s.isArray(v.schema.allOf)){for(h=
"inline_model",d=h,b=!1,w=0;!b;){if("undefined"==typeof
e.definitions[d]){b=!0;break}d=h+"_"+w,w++}e.definitions[d]={allOf:v.schema.allOf},delete
v.schema.allOf,v.schema.$ref="#/definitions/"+d,this.processAllOf(l,d,e.definitions[d],S,A,e)}else
this.resolveTo(l,v.schema,S,i);v.$ref&&this.resolveInline(l,e,v,S,A,v.$ref)}for(T in k.responses){var
D=k.responses[T];if(i="/paths"+d+"/"+O+"/responses/"+T,s.isObject(D)&&(D.$ref&&this.resolveInline(l,e,D,S,A,i
),D.schema)){var
L=D;if(s.isArray(L.schema.allOf)){for(h="inline_model",d=h,b=!1,w=0;!b;){if("undefined"==typeof
e.definitions[d]){b=!0;break}d=h+"_"+w,w++}e.definitions[d]={allOf:L.schema.allOf},delete
L.schema.allOf,delete
L.schema.type,L.schema.$ref="#/definitions/"+d,this.processAllOf(l,d,e.definitions[d],S,A,e)}else"array"===L.sche
ma.type?L.schema.items&&L.schema.items.$ref&&this.resolveInline(l,e,L.schema.items,S,A,i):this.resolveTo(l,D.s
chema,S,i)}}}m.parameters=[]}}var M,R=0,U=[],P=S;
for(a=0;a<P.length;a++){var q=P[a];if(l===q.root){if("ref"===q.resolveAs){var
B,N=((q.root||"")+"/"+q.key).split("/"),z=[],$="";if(q.key.indexOf("../")>=0){for(var
F=0;F<N.length;F++)".."===N[F]?z=z.slice(0,z.length-
1):z.push(N[F]);for(B=0;B<z.length;B++)B>0&&($+="/"),$+=z[B];q.root=$,U.push(q)}else
if(M=q.key.split("#"),2===M.length){0!==M[0].indexOf("http:")&&0!==M[0].indexOf("https:")||(q.root=M[0]),i=
M[1].split("/");var V,H=e;for(B=0;B<i.length;B++){var Y=i[B];if(""!==Y){if(H=H[Y],"undefined"==typeof
H){V=null;break}V=H}}null===V&&U.push(q)}}else
if("inline"===q.resolveAs){if(q.key&&q.key.indexOf("#")===-
1&&"/"!==q.key.charAt(0)){for(M=q.root.split("/"),i="",a=0;a<M.length-
1;a++)i+=M[a]+"/";i+=q.key,q.root=i,q.location=""}U.push(q)}}else U.push(q)}R=U.length;for(var
J={},W=0;W<U.length;W++)!function(e,t,n,r,i){if(e.root&&e.root!==l)if(n.failedUrls.indexOf(e.root)===-1){var
a={useJQuery:!1,url:e.root,method:"get",headers:{accept:n.scope.swaggerRequestHeaders||"application/json"},on:{
error:function(i){_+=1,console.log("failed url: "+a.url),n.failedUrls.push(a.url),r&&delete
r[e.root],A[e.key]={root:e.root,location:e.location},_===R&&n.finish(t,f,S,x,A,u)},response:function(i){var
a=i.obj;r&&delete
r[e.root],n.resolverCache&&(n.resolverCache[e.root]=a),n.resolveItem(a,e.root,S,x,A,e),_+=1,_===R&&n.finish(t,f
,S,x,A,u)}}};c&&c.fetchSpecTimeout&&(a.timeout=c.fetchSpecTimeout),c&&c.clientAuthorizations&&c.clientAu
thorizations.apply(a),function h(){setTimeout(function(){if(r[a.url])h();else{var
e=n.resolverCache[a.url];s.isObject(e)?a.on.response({obj:e}):(r[a.url]=!0,(new o).execute(a,p))}},0)}()}else
+=1,A[e.key]={root:e.root,location:e.location},===R&&n.finish(t,f,S,x,A,u);else

n.resolveItem(t,f,S,x,A,e),_+=1,_===R&&n.finish(t,l,S,x,A,u,!0)}(U[W],e,this,J,W);0===Object.keys(U).length&&this.finish(e,f,S,x,A,u)},l.prototype.resolveItem=function(e,t,n,r,i,a){var o=a.location,s=e,l=o.split("/");if(""!==o)for(var u=0;u<l.length;u++){var c=l[u];if(c.indexOf("~1")!==-1&&(c=l[u].replace(/~0/g,"~").replace(/~1/g,"/"),"/"!==c.charAt(0)&&(c="/"+c)),"undefined"==typeof s||null===s)break;if(""===c&&u===l.length-1&&l.length>1){s=null;break}c.length>0&&(s=s[c])}var p=a.key;l=a.key.split("/");var h=l[l.length-1];h.indexOf("#")>=0&&(h=h.split("#")[1]),null!==s&&"undefined"!=typeof s?r[p]={name:h,obj:s,key:a.key,root:a.root}:i[p]={root:a.root,location:a.location}},l.prototype.finish=function(e,t,n,r,i,a,o){var s,l;for(s in n){var u=n[s],c=u.key,p=r[c];if(p)if(e.definitions=e.definitions||{},"ref"===u.resolveAs){if(o!==!0)for(c in p.obj)l=this.retainRoot(c,p.obj[c],u.root),p.obj[c]=l;e.definitions[p.name]=p.obj,u.obj.$ref="#/definitions/"+p.name}else if("inline"===u.resolveAs){var h=u.obj;h["x-resolved-from"]=[u.key],delete h.$ref;for(c in p.obj)l=p.obj[c],o!==!0&&(l=this.retainRoot(c,p.obj[c],u.root)),h[c]=l}}var f=this.countUnresolvedRefs(e);0===f||this.iteration>5?(this.resolveAllOf(e.definitions),this.resolverCache=null,a.call(this.scope,e,i)):(this.iteration+=1,this.resolve(e,t,a,this.scope))},l.prototype.countUnresolvedRefs=function(e){var t,n=this.getRefs(e),r=[],i=[];for(t in n)0===t.indexOf("#")?r.push(t.substring(1)):i.push(t);for(t=0;t<r.length;t++)for(var a=r[t],o=a.split("/"),s=e,l=0;l<o.length;l++){var u=o[l];if(""!==u&&(s=s[u],"undefined"==typeof s)){i.push(a);break}}return i.length},l.prototype.getRefs=function(e,t){t=t||e;var n={};for(var r in t)if(t.hasOwnProperty(r)){var i=t[r];if("$ref"===r&&"string"==typeof i)n[i]=null;else if(s.isObject(i)){var a=this.getRefs(i);for(var o in a)n[o]=null}}return n},l.prototype.retainRoot=function(e,t,n){if(s.isObject(t))for(var r in t){var i=t[r];"$ref"===r&&"string"==typeof i?t[r]=a(n,i):s.isObject(i)&&this.retainRoot(r,i,n)}else s.isString(t)&&"$ref"===e&&(t=a(n,t));return t},l.prototype.resolveInline=function(e,t,n,r,i,a){var o,s,l,u,c=n.$ref,p=n.$ref,h=!1;if(e=e||"",p){if(0===p.indexOf("../")){for(s=p.split("../"),l=e.split("/"),p="",o=0;o<s.length;o++)""===s[o]?l=l.slice(0,l.length-1):p+=s[o];for(e="",o=0;o<l.length-1;o++)o>0&&(e+="/"),e+=l[o];h=!0}if(p.indexOf("#")>=0)if(0===p.indexOf("/"))u=p.split("#"),s=e.split("//"),l=s[1].split("/"),e=s[0]+"//"+l[0]+u[0],a=u[1];else{if(u=p.split("#"),""!==u[0]){if(l=e.split("/"),l=l.slice(0,l.length-1),!h){e="";for(var f=0;f<l.length;f++)f>0&&(e+="/"),e+=l[f]}e+="/"+p.split("#")[0]}a=u[1]}if(0===p.indexOf("http:")||0===p.indexOf("https:"))p.indexOf("#")>=0?(e=p.split("#")[0],a=p.split("#")[1]):(e=p,a=""),r.push({obj:n,resolveAs:"inline",root:e,key:c,location:a});else if(0===p.indexOf("#"))a=p.split("#")[1],r.push({obj:n,resolveAs:"inline",root:e,key:c,location:a});else if(0===p.indexOf("/")&&p.indexOf("#")===-1){a=p;var d=e.match(/^https?\:\/\/([^\/?#]+)(?:[\/?#]|$)/i);d&&(e=d[0]+p.substring(1),a=""),r.push({obj:n,resolveAs:"inline",root:e,key:c,location:a})}else r.push({obj:n,resolveAs:"inline",root:e,key:c,location:a})}else"array"===n.type&&this.resolveTo(e,n.items,r,a)},l.prototype.resolveTo=function(e,t,n,r){var i,a,o=t.$ref,l=e;if("undefined"!=typeof o&&null!==o){if(o.indexOf("#")>=0){var u=o.split("#");if(u[0]&&0===o.indexOf("/"));else if(!u[0]||0!==u[0].indexOf("http:")&&0!==u[0].indexOf("https:")){if(u[0]&&u[0].length>0){for(i=e.split("/"),l="",a=0;a<i.length-1;a++)l+=i[a]+"/";l+=u[0]}else l=u[0],o=u[1];r=u[1]}else if(0===o.indexOf("http:")||0===o.indexOf("https:"))l=o,r="";else{for(i=e.split("/"),l="",a=0;a<i.length-1;a++)l+=i[a]+"/";l+=o,r=""}n.push({obj:t,resolveAs:"ref",root:l,key:o,location:r})}else if("array"===t.type){var c=t.items;this.resolveTo(e,c,n,r)}else if(t&&(t.properties||t.additionalProperties)){var p=this.uniqueName("inline_model");t.title&&(p=this.uniqueName(t.title)),delete t.title,this.spec.definitions[p]=s.cloneDeep(t),t.$ref="#/definitions/"+p,delete t.type,delete t.properties}},l.prototype.uniqueName=function(e){for(var t=e,n=0;;){if(!s.isObject(this.spec.definitions[t]))return t;t=e+"_"+n,n++}},l.prototype.resolveAllOf=function(e,t,n){n=n||0,t=t||e;var r;for(var i in t)if(t.hasOwnProperty(i)){var a=t[i];if(null===a)throw new TypeError("Swagger 2.0 does not support null types

("+t+"). See https://github.com/swagger-api/swagger-spec/issues/229.");if("object"==typeof a&&this.resolveAllOf(e,a,n+1),a&&"undefined"!=typeof a.allOf){var o=a.allOf;if(s.isArray(o)){var l=s.cloneDeep(a);delete l.allOf,l["x-composed"]=!0,"undefined"!=typeof a["x-resolved-from"]&&(l["x-resolved-from"]=a["x-resolved-from"]);for(var u=0;u<o.length;u++){var c=o[u],p="self";"undefined"!=typeof c["x-resolved-from"]&&(p=c["x-resolved-from"][0]);for(var h in c)if(l.hasOwnProperty(h))if("properties"===h){var f=c[h];for(r in f){l.properties[r]=s.cloneDeep(f[r]);var d=f[r]["x-resolved-from"];"undefined"!=typeof d&&"self"!==d||(d=p),l.properties[r]["x-resolved-from"]=d}}else if("required"===h){for(var m=l.required.concat(c[h]),g=0;g<m.length;++g)for(var y=g+1;y<m.length;++y)m[g]===m[y]&&m.splice(y--,1);l.required=m}else"x-resolved-from"===h&&l["x-resolved-from"].push(p);else if(l[h]=s.cloneDeep(c[h]),"properties"===h)for(r in l[h])l[h][r]["x-resolved-from"]=p}t[i]=l}}}},{"./http":5,"lodash-compat/lang/cloneDeep":138,"lodash-compat/lang/isArray":140,"lodash-compat/lang/isObject":144,"lodash-compat/lang/isString":146}],7:[function(e,t,n){"use strict";var r=e("./helpers"),i={isPlainObject:e("lodash-compat/lang/isPlainObject"),isUndefined:e("lodash-compat/lang/isUndefined"),isArray:e("lodash-compat/lang/isArray"),isObject:e("lodash-compat/lang/isObject"),isEmpty:e("lodash-compat/lang/isEmpty"),map:e("lodash-compat/collection/map"),indexOf:e("lodash-compat/array/indexOf"),cloneDeep:e("lodash-compat/lang/cloneDeep"),keys:e("lodash-compat/object/keys"),forEach:e("lodash-compat/collection/forEach")},a=t.exports.optionHtml=function(e,t){return'<tr><td class="optionName">'+e+":</td><td>"+t+"</td></tr>"};t.exports.typeFromJsonSchema=function(e,t){var n;return"integer"===e&&"int32"===t?n="integer":"integer"===e&&"int64"===t?n="long":"integer"===e&&"undefined"==typeof t?n="long":"string"===e&&"date-time"===t?n="date-time":"string"===e&&"date"===t?n="date":"number"===e&&"float"===t?n="float":"number"===e&&"double"===t?n="double":"number"===e&&"undefined"==typeof t?n="double":"boolean"===e?n="boolean":"string"===e&&(n="string"),n};var o=t.exports.getStringSignature=function(e,t){var n="";return"undefined"!=typeof e.$ref?n+=r.simpleRef(e.$ref):"undefined"==typeof e.type?n+="object":"array"===e.type?t?n+=o(e.items||e.$ref||{}):(n+="Array[",n+=o(e.items||e.$ref||{}),n+="]"):n+="integer"===e.type&&"int32"===e.format?"integer":"integer"===e.type&&"int64"===e.format?"long":"integer"===e.type&&"undefined"==typeof e.format?"long":"string"===e.type&&"date-time"===e.format?"date-time":"string"===e.type&&"date"===e.format?"date":"string"===e.type&&"undefined"==typeof e.format?"string":"number"===e.type&&"float"===e.format?"float":"number"===e.type&&"double"===e.format?"double":"number"===e.type&&"undefined"==typeof e.format?"double":"boolean"===e.type?"boolean":e.$ref?r.simpleRef(e.$ref):e.type,n},s=t.exports.schemaToJSON=function(e,t,n,a){e=r.resolveSchema(e),"function"!=typeof a&&(a=function(e){return(e||{})["default"]}),n=n||{};var o,l,u=e.type||"object",c=e.format;return i.isUndefined(e.example)?i.isUndefined(e.items)&&i.isArray(e["enum"])&&(l=e["enum"][0]):l=e.example,i.isUndefined(l)&&(e.$ref?(o=t[r.simpleRef(e.$ref)],i.isUndefined(o)||(i.isUndefined(n[o.name])?(n[o.name]=o,l=s(o.definition,t,n,a),delete n[o.name]):l="array"===o.type?[]:{})):i.isUndefined(e["default"])?"string"===u?l="date-time"===c?(new Date).toISOString():"date"===c?(new Date).toISOString().split("T")[0]:"string":"integer"===u?l=0:"number"===u?l=0:"boolean"===u?l=!0:"object"===u?(l={},i.forEach(e.properties,function(e,r){var o=i.cloneDeep(e);o["default"]=a(e),l[r]=s(o,t,n,a)})):"array"===u&&(l=[],i.isArray(e.items)?i.forEach(e.items,function(e){l.push(s(e,t,n,a))}):i.isPlainObject(e.items)?l.push(s(e.items,t,n,a)):i.isUndefined(e.items)?l.push({}):r.log("Array type's 'items' property is not an array or an object, cannot process")):l=e["default"]),l};t.exports.schemaToHTML=function(e,t,n,o){function s(e,t,a){var o,s=t;return e.$ref?(s=e.title||r.simpleRef(e.$ref),o=n[s]):i.isUndefined(t)&&(s=e.title||"Inline Model "+ ++m,o={definition:e}),a!==!0&&(f[s]=i.isUndefined(o)?{}:o.definition),s}function l(e){var t='',n=e.type||"object";return

e.$ref?t+=s(e,r.simpleRef(e.$ref)):"object"===n?t+=i.isUndefined(e.properties)?"object":s(e):"array"===n?(t+="Arr ay[",i.isArray(e.items)?t+=i.map(e.items,s).join(","):i.isPlainObject(e.items)?t+=i.isUndefined(e.items.$ref)?i.isUnd efined(e.items.type)||i.indexOf(["array","object"],e.items.type)!==- 1?s(e.items):e.items.type:s(e.items,r.simpleRef(e.items.$ref)):(r.log("Array type's 'items' schema is not an array or an object, cannot process"),t+="object"),t+="]"):t+=e.type,t+=""}function u(e,t){var n="",r=e.type||"object",o="array"===r;switch(o&&(r=i.isPlainObject(e.items)&&!i.isUndefined(e.items.type)?e.ite ms.type:"object"),i.isUndefined(e["default"])||(n+=a("Default",e["default"])),r){case"string":e.minLength&&(n+=a("Min. Length",e.minLength)),e.maxLength&&(n+=a("Max. Length",e.maxLength)),e.pattern&&(n+=a("Reg. Exp.",e.pattern));break;case"integer":case"number":e.minimum&&(n+=a("Min. Value",e.minimum)),e.exclusiveMinimum&&(n+=a("Exclusive Min.","true")),e.maximum&&(n+=a("Max. Value",e.maximum)),e.exclusiveMaximum&&(n+=a("Exclusive Max.","true")),e.multipleOf&&(n+=a("Multiple Of",e.multipleOf))}if(o&&(e.minItems&&(n+=a("Min. Items",e.minItems)),e.maxItems&&(n+=a("Max. Items",e.maxItems)),e.uniqueItems&&(n+=a("Unique Items","true")),e.collectionFormat&&(n+=a("Coll. Format",e.collectionFormat))),i.isUndefined(e.items)&&i.isArray(e["enum"])){var s;s="number"===r||"integer"===r?e["enum"].join(", "):'"'+e["enum"].join('", "')+'"',n+=a("Enum",s)}return n.length>0&&(t=''+t+'<table class="optionsWrapper"><tr><th colspan="2">'+r+"</th></tr>"+n+"</table>"),t}function c(e,t){var a=e.type||"object",c="array"===e.type,f=p+t+" "+(c?"[":"{")+h;if(t&&d.push(t),c)i.isArray(e.items)?f+="<div>"+i.map(e.items,function(e){var t=e.type||"object";return i.isUndefined(e.$ref)?i.indexOf(["array","object"],t)>- 1?"object"===t&&i.isUndefined(e.properties)?"object":s(e):u(e,t):s(e,r.simpleRef(e.$ref))}).join("</div><div>"):i.i sPlainObject(e.items)?f+=i.isUndefined(e.items.$ref)?i.indexOf(["array","object"],e.items.type||"object")>- 1?(i.isUndefined(e.items.type)||"object"===e.items.type)&&i.isUndefined(e.items.properties)?"<div>object</div>": "<div>"+s(e.items)+"</div>":"<div>"+u(e.items,e.items.type)+"</div>":"<div>"+s(e.items,r.simpleRef(e.items.$ref))+"</div>":(r.log("Array type's 'items' property is not an array or an object, cannot process"),f+="<div>object</div>");else if(e.$ref)f+="<div>"+s(e,t)+"</div>";else if("object"===a){if(i.isPlainObject(e.properties)){var m=i.map(e.properties,function(t,a){var s,c,p=i.indexOf(e.required,a)>=0,h=i.cloneDeep(t),f=p?"required":"",d=''+a+" (";return h["default"]=o(h),h=r.resolveSchema(h),c=t.description||h.description,i.isUndefined(h.$ref)||(s=n[r.simpleRef(h.$ref)],i.isUndefined(s)||i.indexOf([void 0,"array","object"],s.definition.type)!==- 1||(h=r.resolveSchema(s.definition))),d+=l(h),p||(d+=', optional'),t.readOnly&&(d+=', read only'),d+=")",i.isUndefined(c)||(d+=': '+c+""),h["enum"]&&(d+=' = [\''+h["enum"].join("', '")+"']"),"<div"+(t.readOnly?' class="readOnly"':"")+">"+u(h,d)}).join("</div><div>");m&&(f+=m+"</div>")}}else f+="<div>"+u(e,a)+"</div>";return f+p+(c?"]":"}")+h}var p='',h="";if(i.isObject(arguments[0])&&(e=void 0,t=arguments[0],n=arguments[1],o=arguments[2]),n=n||{},t=r.resolveSchema(t),i.isEmpty(t))return p+"Empty"+h;if("string"==typeof t.$ref&&(e=r.simpleRef(t.$ref),t=n[e],"undefined"==typeof t))return p+e+" is not defined!"+h;"string"!=typeof e&&(e=t.title||"Inline Model"),t.definition&&(t=t.definition),"function"!=typeof o&&(o=function(e){return(e||{})["default"]});for(var f={},d=[],m=0,g=c(t,e);i.keys(f).length>0;)i.forEach(f,function(e,t){var n=i.indexOf(d,t)>-1;delete f[t],n||(d.push(t),g+="<br />"+c(e,t))});return g}},{"./helpers":4,"lodash-compat/array/indexOf":49,"lodash-compat/collection/forEach":54,"lodash-compat/collection/map":56,"lodash-compat/lang/cloneDeep":138,"lodash-compat/lang/isArray":140,"lodash-compat/lang/isEmpty":141,"lodash-compat/lang/isObject":144,"lodash-compat/lang/isPlainObject":145,"lodash-compat/lang/isUndefined":148,"lodash-compat/object/keys":149}],8:[function(e,t,n){"use strict";var r=e("./http"),i={isObject:e("lodash-

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compat/lang/isObject")},a.t.exports=function(){this.errors=[],this.warnings=[],this.modelMap={}};a.prototype.set
DocumentationLocation=function(e){this.docLocation=e},a.prototype.convert=function(e,t,n,r){if(!e||!Array.isArray
(e.apis))return this.finish(r,null);this.clientAuthorizations=t;var
i={swagger:"2.0"};i.originalVersion=e.swaggerVersion,this.apiInfo(e,i),this.securityDefinitions(e,i),e.basePath&&t
his.setDocumentationLocation(e.basePath);var a,o=!1;for(a=0;a<e.apis.length;a++){var
s=e.apis[a];Array.isArray(s.operations)&&(o=!0)}o?(this.declaration(e,i),this.finish(r,i)):this.resourceListing(e,i,n,r)
},a.prototype.declaration=function(e,t){var
n,r,a,o;if(e.apis){0===e.basePath.indexOf("http://")?(a=e.basePath.substring("http://".length),o=a.indexOf("/"),o>0?
(t.host=a.substring(0,o),t.basePath=a.substring(o)):(t.host=a,t.basePath="/")):0===e.basePath.indexOf("https://")?(a
=e.basePath.substring("https://".length),o=a.indexOf("/"),o>0?(t.host=a.substring(0,o),t.basePath=a.substring(o)):(t.
host=a,t.basePath="/")):t.basePath=e.basePath;var
s;if(e.authorizations&&(s=e.authorizations),e.consumes&&(t.consumes=e.consumes),e.produces&&(t.produces=e.p
roduces),i.isObject(e))for(n in e.models){var
l=e.models[n],u=l.id||n;this.modelMap[u]=n}for(r=0;r<e.apis.length;r++){var
c=e.apis[r],p=c.path,h=c.operations;this.operations(p,e.resourcePath,h,s,t)}var
f=e.models||{};this.models(f,t)}},a.prototype.models=function(e,t){if(i.isObject(e)){var
n;t.definitions=t.definitions||{};for(n in e){var r,a=e[n],o=[],s={properties:{}};for(r in a.properties){var
l=a.properties[r],u={};this.dataType(l,u),l.description&&(u.description=l.description),l["enum"]&&(u["enum"]=l["e
num"]),"boolean"==typeof l.required&&l.required===!0&&o.push(r),"string"==typeof
l.required&&"true"===l.required&&o.push(r),s.properties[r]=u}o.length>0?s.required=o:s.required=a.required,t.def
initions[n]=s}}},a.prototype.extractTag=function(e){var t=e||"default";return
0!==t.indexOf("http:")&&0!==t.indexOf("https:")||(t=t.split(["/"]),t=t[t.length-
1].substring()),t.endsWith(".json")&&(t=t.substring(0,t.length-
".json".length)),t.replace("/","")},a.prototype.operations=function(e,t,n,r,i){if(Array.isArray(n)){var
a;i.paths||(i.paths={});var o=i.paths[e]||{},s=this.extractTag(t);i.tags=i.tags||[];var
l=!1;for(a=0;a<i.tags.length;a++){var
u=i.tags[a];u.name===s&&(l=!0)}for(l||i.tags.push({name:s}),a=0;a<n.length;a++){var
c=n[a],p=(c.method||c.httpMethod).toLowerCase(),h={tags:[s]},f=c.authorizations;if(f&&0===Object.keys(f).lengt
h&&(f=r),"undefined"!=typeof f){var d;for(var m in f){h.security=h.security||[];var g=f[m];if(g){var y=[];for(var v
in g)y.push(g[v].scope);d={},d[m]=y,h.security.push(d)}else
d={},d[m]=[],h.security.push(d)}}c.consumes?h.consumes=c.consumes:i.consumes&&(h.consumes=i.consumes),c.
produces?h.produces=c.produces:i.produces&&(h.produces=i.produces),c.summary&&(h.summary=c.summary),c.n
otes&&(h.description=c.notes),c.nickname&&(h.operationId=c.nickname),c.deprecated&&(h.deprecated=c.depreca
ted),this.authorizations(f,i),this.parameters(h,c.parameters,i),this.responseMessages(h,c,i),o[p]=h}i.paths[e]=o}},a.pr
ototype.responseMessages=function(e,t){if(i.isObject(t)){var
n={};this.dataType(t,n),!n.schema&&n.type&&(n={schema:n}),e.responses=e.responses||{};var
r=!1;if(Array.isArray(t.responseMessages)){var a,o=t.responseMessages;for(a=0;a<o.length;a++){var
s=o[a],l={description:s.message};200===s.code&&(r=!0),s.responseModel&&(l.schema={$ref:"#/definitions/"+s.re
sponseModel}),e.responses[""+s.code]=l}r?e.responses["default"]=n:e.responses[200]=n}},a.prototype.authorizati
ons=function(e){!i.isObject(e)},a.prototype.parameters=function(e,t){if(Array.isArray(t)){var
n;for(n=0;n<t.length;n++){var
r=t[n],i={};if(i.name=r.name,i.description=r.description,i.required=r.required,i["in"]=r.paramType,"body"===i["in"
]&&(i.name="body"),"form"===i["in"]&&(i["in"]="formData"),r["enum"]&&(i["enum"]=r["enum"]),r.allowMultip
le===!0||"true"===r.allowMultiple){var a={};if(this.dataType(r,a),i.type="array",i.items=a,r.allowableValues){var
o=r.allowableValues;"LIST"===o.valueType&&(i["enum"]=o.values)}}else this.dataType(r,i);"undefined"!=typeof
r.defaultValue&&(i["default"]=r.defaultValue),e.parameters=e.parameters||[],e.parameters.push(i)}}},a.prototype.da
taType=function(e,t){if(i.isObject(e)){e.minimum&&(t.minimum=e.minimum),e.maximum&&(t.maximum=e.maxi
mum),e.format&&(t.format=e.format),"undefined"!=typeof e.defaultValue&&(t["default"]=e.defaultValue);var
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n=this.toJsonSchema(e);n&&(t=t||{},n.type&&(t.type=n.type),n.format&&(t.format=n.format),n.$ref&&(t.schema={$ref:n.$ref}),n.items&&(t.items=n.items))}},a.prototype.toJsonSchema=function(e){if(!e)return"object";var t=e.type||e.dataType||e.responseClass||"",n=t.toLowerCase(),r=(e.format||"").toLowerCase();if(0===n.indexOf("list["))){var i=t.substring(5,t.length-1),a=this.toJsonSchema({type:i});return{type:"array",items:a}}if("int"===n||"integer"===n&&"int32"===r)return{type:"integer",format:"int32"};if("long"===n||"integer"===n&&"int64"===r)return{type:"integer",format:"int64"};if("integer"===n)return{type:"integer",format:"int64"};if("float"===n||"number"===n&&"float"===r)return{type:"number",format:"float"};if("double"===n||"number"===n&&"double"===r)return{type:"number",format:"double"};if("string"===n&&"date-time"===r||"date"===n)return{type:"string",format:"date-time"};if("string"===n)return{type:"string"};if("file"===n)return{type:"file"};if("boolean"===n)return{type:"boolean"};if("boolean"===n)return{type:"boolean"};if("array"===n||"list"===n){if(e.items){var o=this.toJsonSchema(e.items);return{type:"array",items:o}}return{type:"array",items:{type:"object"}}}return e.$ref?{$ref:this.modelMap[e.$ref]?"#/definitions/"+this.modelMap[e.$ref]:e.$ref}:"void"===n||""===n?{}:this.modelMap[e.type]?{$ref:"#/definitions/"+this.modelMap[e.type]}:{type:e.type}},a.prototype.resourceListing=function(e,t,n,i){var a,o=0,s=this,l=e.apis.length,u=t,c={};n&&n.requestInterceptor&&(c.requestInterceptor=n.requestInterceptor),n&&n.responseInterceptor&&(c.responseInterceptor=n.responseInterceptor);var p="application/json";for(n&&n.swaggerRequestHeaders&&(p=n.swaggerRequestHeaders),0===l&&this.finish(i,t),a=0;a<l;a++){var h=e.apis[a],f=h.path,d=this.getAbsolutePath(e.swaggerVersion,this.docLocation,f);h.description&&(t.tags=t.tags||[],t.tags.push({name:this.extractTag(h.path),description:h.description||""}));var m={url:d,headers:{accept:p},on:{},method:"get",timeout:n.timeout};m.on.response=function(e){o+=1;var t=e.obj;t&&s.declaration(t,u),o===l&&s.finish(i,u)},m.on.error=function(e){console.error(e),o+=1,o===l&&s.finish(i,u)},this.clientAuthorizations&&"function"==typeof this.clientAuthorizations.apply&&this.clientAuthorizations.apply(m),(new r).execute(m,c)}},a.prototype.getAbsolutePath=function(e,t,n){if("1.0"===e&&t.endsWith(".json")){var r=t.lastIndexOf("/");r>0&&(t=t.substring(0,r))}var i=t;return 0===n.indexOf("http:")||0===n.indexOf("https:")?i=n:(t.endsWith("/")&&(i=t.substring(0,t.length-1)),i+=n),i=i.replace("{format}","json")},a.prototype.securityDefinitions=function(e,t){if(e.authorizations){var n;for(n in e.authorizations){var r=!1,i={vendorExtensions:{}},a=e.authorizations[n];if("apiKey"===a.type)i.type="apiKey",i["in"]=a.passAs,i.name=a.keyname||n,r=!0;else if("basicAuth"===a.type)i.type="basicAuth",r=!0;else if("oauth2"===a.type){var o,s=a.scopes||[],l={};for(o in s){var u=s[o];l[u.scope]=u.description}if(i.type="oauth2",o>0&&(i.scopes=l),a.grantTypes){if(a.grantTypes.implicit){var c=a.grantTypes.implicit;i.flow="implicit",i.authorizationUrl=c.loginEndpoint,r=!0}if(a.grantTypes.authorization_code&&!i.flow){var p=a.grantTypes.authorization_code;i.flow="accessCode",i.authorizationUrl=p.tokenRequestEndpoint.url,i.tokenUrl=p.tokenEndpoint.url,r=!0}}}r&&(t.securityDefinitions=t.securityDefinitions||{},t.securityDefinitions[n]=i)}}},a.prototype.apiInfo=function(e,t){if(e.info){var n=e.info;t.info={},n.contact&&(t.info.contact={},t.info.contact.email=n.contact),n.description&&(t.info.description=n.description),n.title&&(t.info.title=n.title),n.termsOfServiceUrl&&(t.info.termsOfService=n.termsOfServiceUrl),(n.license||n.licenseUrl)&&(t.license={},n.license&&(t.license.name=n.license),n.licenseUrl&&(t.license.url=n.licenseUrl))}else this.warnings.push("missing info section")},a.prototype.finish=function(e,t){e(t)}},{"./http":5,"lodash-compat/lang/isObject":144}],9:[function(e,t,n){"use strict";var r=(e("../helpers").log,{isPlainObject:e("lodash-compat/lang/isPlainObject"),isString:e("lodash-compat/lang/isString")}),i=e("../schema-markup.js"),a=e("js-yaml"),o=t.exports=function(e,t,n,r){return this.definition=t||{},this.isArray="array"===t.type,this.models=n||{},this.name=e||t.title||"Inline Model",this.modelPropertyMacro=r||function(e){return

e["default"]},this};o.prototype.createJSONSample=o.prototype.getSampleValue=function(e){return e=e||{},e[this.name]=this,this.examples&&r.isPlainObject(this.examples)&&this.examples["application/json"]?(this .definition.example=this.examples["application/json"],r.isString(this.definition.example)&&(this.definition.example =a.safeLoad(this.definition.example))):this.definition.example||(this.definition.example=this.examples),i.schemaToJ SON(this.definition,this.models,e,this.modelPropertyMacro)},o.prototype.getMockSignature=function(){return i.schemaToHTML(this.name,this.definition,this.models,this.modelPropertyMacro)}},{"../helpers":4,"../schema-markup.js":7,"js-yaml":19,"lodash-compat/lang/isPlainObject":145,"lodash-compat/lang/isString":146}],10:[function(e,t,n){"use strict";function r(e,t){if(i.isEmpty(t))return e[0];for(var n=0,r=t.length;n<r;n++)if(e.indexOf(t[n])>-1)return t[n];return e[0]}var i={cloneDeep:e("lodash-compat/lang/cloneDeep"),isUndefined:e("lodash-compat/lang/isUndefined"),isEmpty:e("lodash-compat/lang/isEmpty"),isObject:e("lodash-compat/lang/isObject")},a=e("../helpers"),o=e("./model"),s=e("../http"),l=e("q"),u=t.exports=function(e,t,n,r,i,s,l,u,c) {var p=[];e=e||{},s=s||{},e&&e.options&&(this.client=e.options.client||null,this.requestInterceptor=e.options.requestInter ceptor||null,this.responseInterceptor=e.options.responseInterceptor||null),this.authorizations=s.security,this.basePath =e.basePath||"/",this.clientAuthorizations=c,this.consumes=s.consumes||e.consumes||["application/json"],this.produc es=s.produces||e.produces||["application/json"],this.deprecated=s.deprecated,this.description=s.description,this.host= e.host,this.method=r||p.push("Operation "+n+" is missing method."),this.models=u||{},this.nickname=n||p.push("Operations must have a nickname."),this.operation=s,this.operations={},this.parameters=null!==s?s.parameters||[]:{},this.parent=e,this.path =i||p.push("Operation "+this.nickname+" is missing path."),this.responses=s.responses||{},this.scheme=t||e.scheme||"http",this.schemes=s.schemes||e.schemes,this.securit y=s.security||e.security,this.summary=s.summary||"",this.timeout=e.timeout,this.type=null,this.useJQuery=e.useJQu ery,this.jqueryAjaxCache=e.jqueryAjaxCache,this.enableCookies=e.enableCookies;var h;if(this.host||("undefined"!=typeof window?this.host=window.location.host:this.host="localhost"),this.parameterMacro=e.parameterMacro||function(e,t)){return t["default"]},this.inlineModels=[],"/"!==this.basePath&&"/"===this.basePath.slice(-1)&&(this.basePath=this.basePath.slice(0,-1)),"string"==typeof this.deprecated)switch(this.deprecated.toLowerCase()){case"true":case"yes":case"1":this.deprecated=!0;break;case" false":case"no":case"0":case null:this.deprecated=!1;break;default:this.deprecated=Boolean(this.deprecated)}var f,d;if(l)for(h in l)d=new o(h,l[h],this.models,e.modelPropertyMacro),d&&(this.models[h]=d);else l={};for(f=0;f<this.parameters.length;f++){var m,g=this.parameters[f];g["default"]=this.parameterMacro(this,g),"array"===g.type&&(g.isList=!0,g.allowMultiple= !0);var y=this.getType(g);y&&"boolean"===y.toString().toLowerCase()&&(g.allowableValues={},g.isList=!0,g["enum"]= [!0,!1]);for(h in g)a.extractExtensions(h,g);"undefined"!=typeof g["x-example"]&&(m=g["x-example"],g["default"]=m),g["x-examples"]&&(m=g["x-examples"]["default"],"undefined"!=typeof m&&(g["default"]=m));var v=g["enum"]||g.items&&g.items["enum"];if("undefined"!=typeof v){var b;for(g.allowableValues={},g.allowableValues.values=[],g.allowableValues.descriptiveValues=[],b=0;b<v.length;b ++){var w=v[b],_=w===g["default"]||w+""===g["default"];g.allowableValues.values.push(w),g.allowableValues.descriptive Values.push({value:w+"",isDefault:_})}}"array"===g.type&&(y=[y],"undefined"==typeof g.allowableValues&&(delete g.isList,delete g.allowMultiple)),g.modelSignature={type:y,definitions:this.models},g.signature=this.getModelSignature(y,this.mo dels).toString(),g.sampleJSON=this.getModelSampleJSON(y,this.models),g.responseClassSignature=g.signature}va r x,A,S,j=this.responses;j[200]?(S=j[200],A="200"):j[201]?(S=j[201],A="201"):j[202]?(S=j[202],A="202"):j[203]?(S =j[203],A="203"):j[204]?(S=j[204],A="204"):j[205]?(S=j[205],A="205"):j[206]?(S=j[206],A="206"):j["default"]&

&(S=j["default"],A="default");for(x in j)if(a.extractExtensions(x,j),"string"==typeof x&&x.indexOf("x-")===-1){var E=j[x];if("object"==typeof E&&"object"==typeof E.headers){var O=E.headers;for(var k in O){var T=O[k];if("object"==typeof T)for(var C in T)a.extractExtensions(C,T)}}}if(S)for(x in S)a.extractExtensions(x,S);if(S&&S.schema){var I,D=this.resolveModel(S.schema,l);delete j[A],D?(this.successResponse={},I=this.successResponse[A]=D):S.schema.type&&"object"!==S.schema.type&&"array"!==S.schema.type?(this.successResponse={},I=this.successResponse[A]=S.schema):(this.successResponse={},I=this.successResponse[A]=new o((void 0),S.schema||{},this.models,e.modelPropertyMacro)),I&&(I.vendorExtensions=S.vendorExtensions,S.description&&(I.description=S.description),S.examples&&(I.examples=S.examples),S.headers&&(I.headers=S.headers)),this.type=S}return p.length>0&&this.resource&&this.resource.api&&this.resource.api.fail&&this.resource.api.fail(p),this};u.prototype.isDefaultArrayItemValue=function(e,t){return t["default"]&&Array.isArray(t["default"])?t["default"].indexOf(e)!==-1:e===t["default"]},u.prototype.getType=function(e){var t,n=e.type,r=e.format,i=!1;"integer"===n&&"int32"===r?t="integer":"integer"===n&&"int64"===r?t="long":"integer"===n?t="integer":"string"===n?t="date-time"===r?"date-time":"date"===r?"date":"string":"number"===n&&"float"===r?t="float":"number"===n&&"double"===r?t="double":"number"===n?t="double":"boolean"===n?t="boolean":"array"===n?(i=!0,e.items&&(t=this.getType(e.items))):"file"===n&&(t="file"),e.$ref&&(t=a.simpleRef(e.$ref));var o=e.schema;if(o){var s=o.$ref;return s?(s=a.simpleRef(s),i?[s]:s):"object"===o.type?this.addInlineModel(o):this.getType(o)}return i?[t]:t},u.prototype.addInlineModel=function(e){var t=this.inlineModels.length,n=this.resolveModel(e,{});return n?(this.inlineModels.push(n),"Inline Model "+t):null},u.prototype.getInlineModel=function(e){if(/^Inline Model \d+$/.test(e)){var t=parseInt(e.substr("Inline Model".length).trim(),10),n=this.inlineModels[t];return n}return null},u.prototype.resolveModel=function(e,t){if("undefined"!=typeof e.$ref){var n=e.$ref;if(0===n.indexOf("#/definitions/")&&(n=n.substring("#/definitions/".length)),t[n])return new o(n,t[n],this.models,this.parent.modelPropertyMacro)}else if(e&&"object"==typeof e&&("object"===e.type||i.isUndefined(e.type)))return new o((void 0),e,this.models,this.parent.modelPropertyMacro);return null},u.prototype.help=function(e){for(var t=this.nickname+": "+this.summary+"\n",n=0;n<this.parameters.length;n++){var r=this.parameters[n],i=r.signature;t+="\n * "+r.name+" ("+i+"): "+r.description}return"undefined"==typeof e&&a.log(t),t},u.prototype.getModelSignature=function(e,t){var n,r;return e instanceof Array&&(r=!0,e=e[0]),"undefined"==typeof e?(e="undefined",n=!0):t[e]?(e=t[e],n=!1):this.getInlineModel(e)?(e=this.getInlineModel(e),n=!1):n=!0,n?r?"Array["+e+"]":e.toString():r?"Array["+e.getMockSignature()+"]":e.getMockSignature()},u.prototype.supportHeaderParams=function(){return!0},u.prototype.supportedSubmitMethods=function(){return this.parent.supportedSubmitMethods},u.prototype.getHeaderParams=function(e){for(var t=this.setContentTypes(e,{}),n={},r=0;r<this.parameters.length;r++){var i=this.parameters[r];"header"===i["in"]&&(n[i.name.toLowerCase()]=i)}for(var a in e){var o=n[a.toLowerCase()];if("undefined"!=typeof o){var s=e[a];Array.isArray(s)&&(s=s.toString()),t[o.name]=s}}return t},u.prototype.urlify=function(e){for(var t={},n=this.path.replace(/#.*/,""),r="",i=0;i<this.parameters.length;i++){var a=this.parameters[i];if("undefined"!=typeof e[a.name])if("path"===a["in"]){var o=new RegExp("{"+a.name+"}","gi"),s=e[a.name];s=Array.isArray(s)?this.encodePathCollection(a.collectionFormat,a.name,s):this.encodePathParam(s),n=n.replace(o,s)}else if("query"===a["in"]&&"undefined"!=typeof e[a.name])if(r+=""===r&&n.indexOf("?")<0?"?":"&","undefined"!=typeof a.collectionFormat){var l=e[a.name];r+=Array.isArray(l)?this.encodeQueryCollection(a.collectionFormat,a.name,l):this.encodeQueryKey(a.name)+"="+this.encodeQueryParam(e[a.name])}else r+=this.encodeQueryKey(a.name)+"="+this.encodeQueryParam(e[a.name]);else"formData"===a["in"]&&(t[a.name

]=e[a.name])}var u=this.scheme+"://"+this.host;
return"/"!==this.basePath&&(u+=this.basePath),u+n+r},u.prototype.getMissingParams=function(e){var
t,n=[];for(t=0;t<this.parameters.length;t++){var r=this.parameters[t];r.required===!0&&"undefined"==typeof
e[r.name]&&(n=r.name)}return n},u.prototype.getBody=function(e,t){for(var
n,r,i,a,o,s={},l=!1,u=0;u<this.parameters.length;u++)r=this.parameters[u],"undefined"!=typeof
t[r.name]?"body"===r["in"]?i=t[r.name]:"formData"===r["in"]&&(s[r.name]={param:r,value:t[r.name]},n=!0):"bo
dy"===r["in"]&&(l=!0);if(l&&"undefined"==typeof i){var c=e["Content-
Type"];c&&0===c.indexOf("application/json")&&(i="{}")}var p=!1;if(e["Content-Type"]&&e["Content-
Type"].indexOf("multipart/form-data")>=0&&(p=!0),n&&!p){var h="";for(a in
s)r=s[a].param,o=s[a].value,"undefined"!=typeof
o&&(Array.isArray(o)?(""!==h&&(h+="&"),h+=this.encodeQueryCollection(r.collectionFormat,a,o)):(""!==h&&(
h+="&"),h+=encodeURIComponent(a)+"="+encodeURIComponent(o)));i=h}else if(p){var f;if("function"==typeof
FormData){f=new FormData,f.type="formData";for(a in s)if(r=s[a].param,o=t[a],"undefined"!=typeof o)if("[object
File]"==={}.toString.apply(o))f.append(a,o);else if("file"===o.type&&o.value)f.append(a,o.value);else
if(Array.isArray(o))if("multi"===r.collectionFormat){f["delete"](a);for(var d in o)f.append(a,o[d])}else
f.append(a,this.encodeQueryCollection(r.collectionFormat,a,o).split("=").slice(1).join("="));else
f.append(a,o);i=f}else{f={};for(a in s)if(o=t[a],Array.isArray(o)){var
m,g=r.collectionFormat||"multi";if("ssv"===g)m=" ";else if("pipes"===g)m="|";else
if("tsv"===g)m="\t";else{if("multi"===g){f[a]=o;break}m=","}var
y;o.forEach(function(e){y?y+=m:y="",y+=e}),f[a]=y}else f[a]=o;i=f}e["Content-Type"]="multipart/form-
data"}return i},u.prototype.getModelSampleJSON=function(e,t){var n,r,a;if(t=t||{},n=e instanceof
Array,a=n?e[0]:e,t[a]?r=t[a].createJSONSample():this.getInlineModel(a)&&(r=this.getInlineModel(a).createJSONS
ample()),r){if(r=n?[r]:r,"string"==typeof r)return r;if(i.isObject(r)){var o=r;if(r instanceof
Array&&r.length>0&&(o=r[0]),o.nodeName&&"Node"==typeof o){var s=(new
XMLSerializer).serializeToString(o);return this.formatXml(s)}return JSON.stringify(r,null,2)}return
r}},u.prototype["do"]=function(e,t,n,r,i){return this.execute(e,t,n,r,i)},u.prototype.execute=function(e,t,n,r,o){var
u,c,p,h,f=e||{},d={};i.isObject(t)&&(d=t,u=n,c=r),h="undefined"!=typeof
d.timeout?d.timeout:this.timeout,this.client&&(d.client=this.client),!d.requestInterceptor&&this.requestInterceptor
&&(d.requestInterceptor=this.requestInterceptor),!d.responseInterceptor&&this.responseInterceptor&&(d.responseI
nterceptor=this.responseInterceptor),"function"==typeof
t&&(u=t,c=n),this.parent.usePromise?p=l.defer():(u=u||this.parent.defaultSuccessCallback||a.log,c=c||this.parent.def
aultErrorCallback||a.log),"undefined"==typeof d.useJQuery&&(d.useJQuery=this.useJQuery),"undefined"==typeof
d.jqueryAjaxCache&&(d.jqueryAjaxCache=this.jqueryAjaxCache),"undefined"==typeof
d.enableCookies&&(d.enableCookies=this.enableCookies);var m=this.getMissingParams(f);if(m.length>0){var
g="missing required params: "+m;return a.fail(g),this.parent.usePromise?(p.reject(g),p.promise):(c(g,o),{})}var
y,v=this.getHeaderParams(f),b=this.setContentTypes(f,d),w={};for(y in v)w[y]=v[y];for(y in b)w[y]=b[y];var
_=this.getBody(b,f,d),x=this.urlify(f);if(x.indexOf(".{format}")>0&&w){var
A=w.Accept||w.accept;A&&A.indexOf("json")>0?x=x.replace(".{format}",".json"):A&&A.indexOf("xml")>0&&(
x=x.replace(".{format}",".xml"))}var
S={url:x,method:this.method.toUpperCase(),body:_,enableCookies:d.enableCookies,useJQuery:d.useJQuery,jquery
AjaxCache:d.jqueryAjaxCache,deferred:p,headers:w,clientAuthorizations:d.clientAuthorizations,on:{response:funct
ion(e){return p?(p.resolve(e),p.promise):u(e,o)},error:function(e){return p?(p.reject(e),p.promise):c(e,o)}}};return
h&&(S.timeout=h),this.clientAuthorizations.apply(S,this.operation.security),d.mock===!0?S:(new
s).execute(S,d)},u.prototype.setContentTypes=function(e,t){var
n,i,o=this.parameters,s=e.parameterContentType||r(this.consumes,["application/json","application/yaml"]),l=t.respon
seContentType||r(this.produces,["application/json","application/yaml"]),u=[],c=[],p={};for(i=0;i<o.length;i++){var
h=o[i];if("formData"===h["in"])"file"===h.type?u.push(h):c.push(h);else if("header"===h["in"]&&t){var
f=h.name,d=t[h.name];"undefined"!=typeof t[h.name]&&(p[f]=d)}else"body"===h["in"]&&"undefined"!=typeof

e[h.name]&&(n=e[h.name])}var
m=n||u.length||c.length;if("post"===this.method||"put"===this.method||"patch"===this.method||("delete"===this.met
hod||"get"===this.method)&&m){if(t.requestContentType&&(s=t.requestContentType),c.length>0){if(s=void
0,t.requestContentType)s=t.requestContentType;else if(u.length>0)s="multipart/form-data";else
if(this.consumes&&this.consumes.length>0)for(var g in this.consumes){var
y=this.consumes[g];0!==y.indexOf("application/x-www-form-urlencoded")&&0!==y.indexOf("multipart/form-
data")||(s=y)}"undefined"==typeof s&&(s="application/x-www-form-urlencoded")}}else s=null;return
s&&this.consumes&&this.consumes.indexOf(s)===-1&&a.log("server doesn't consume "+s+", try
"+JSON.stringify(this.consumes)),this.matchesAccept(l)||a.log("server can't produce
"+l),s&&""!==n||"application/x-www-form-urlencoded"===s?p["Content-
Type"]=s:this.consumes&&this.consumes.length>0&&"application/x-www-form-
urlencoded"===this.consumes[0]&&(p["Content-
Type"]=this.consumes[0]),l&&(p.Accept=l),p},u.prototype.matchesAccept=function(e){return!e||!this.produces||(thi
s.produces.indexOf(e)!==-1||this.produces.indexOf("*/*")!==-1)},u.prototype.asCurl=function(e,t){var
n={mock:!0};if("object"==typeof t)for(var r in t)n[r]=t[r];var
a=this.execute(e,n);this.clientAuthorizations.apply(a,this.operation.security);var o=[];if(o.push("-X
"+this.method.toUpperCase()),"undefined"!=typeof a.headers){var s;for(s in a.headers){var
l=a.headers[s];"string"==typeof l&&(l=l.replace(/\'/g,"\\u0027")),o.push("--header '"+s+": "+l+"'")}}var
u=!1,c=!1,p=a.headers["Content-Type"];if(p&&0===p.indexOf("application/x-www-form-
urlencoded")?u=!0:p&&0===p.indexOf("multipart/form-data")&&(u=!0,c=!0),a.body){var
h;if(i.isObject(a.body)){if(c){c=!0;for(var f=0;f<this.parameters.length;f++){var
d=this.parameters[f];if("formData"===d["in"]){h||(h="");var m;if(m="function"==typeof FormData&&a.body
instanceof FormData?a.body.getAll(d.name):a.body[d.name])if("file"===d.type)m.name&&(h+="-F
"+d.name+'=@"'+m.name+'" ');else if(Array.isArray(m))if("multi"===d.collectionFormat)for(var g in m)h+="-F
"+this.encodeQueryKey(d.name)+"="+m[g]+" ";else h+="-F
"+this.encodeQueryCollection(d.collectionFormat,d.name,m)+" ";else h+="-F
"+this.encodeQueryKey(d.name)+"="+m+" "}}}h||(h=JSON.stringify(a.body))}else
h=a.body;h=h.replace(/\'/g,"%27").replace(/\n/g," \\ \n "),u||(h=h.replace(/&/g,"%26")),c?o.push(h):o.push("-d
'"+h.replace(/@/g,"%40")+"'")}return"curl "+o.join(" ")+"
'"+a.url+"'"},u.prototype.encodePathCollection=function(e,t,n){var
r,i="",a="";for(a="ssv"===e?"%20":"tsv"===e?"%09":"pipes"===e?"|":",",r=0;r<n.length;r++)0===r?i=this.encode
QueryParam(n[r]):i+=a+this.encodeQueryParam(n[r]);return
i},u.prototype.encodeQueryCollection=function(e,t,n){var
r,i="";if(e=e||"default","default"===e||"multi"===e)for(r=0;r<n.length;r++)r>0&&(i+="&"),i+=this.encodeQueryKe
y(t)+"="+this.encodeQueryParam(n[r]);else{var a="";if("csv"===e)a=",";else if("ssv"===e)a="%20";else
if("tsv"===e)a="%09";else if("pipes"===e)a="|";else
if("brackets"===e)for(r=0;r<n.length;r++)0!==r&&(i+="&"),i+=this.encodeQueryKey(t)+"[]="+this.encodeQueryP
aram(n[r]);if(""!==a)for(r=0;r<n.length;r++)0===r?i=this.encodeQueryKey(t)+"="+this.encodeQueryParam(n[r]):i+
=a+this.encodeQueryParam(n[r])}return i},u.prototype.encodeQueryKey=function(e){return
encodeURIComponent(e).replace("%5B","[").replace("%5D","]").replace("%24","$")},u.prototype.encodeQueryPar
am=function(e){return encodeURIComponent(e)},u.prototype.encodePathParam=function(e){return
encodeURIComponent(e)}},{"../helpers":4,"../http":5,"./model":9,"lodash-compat/lang/cloneDeep":138,"lodash-
compat/lang/isEmpty":141,"lodash-compat/lang/isObject":144,"lodash-
compat/lang/isUndefined":148,q:157}],11:[function(e,t,n){"use strict";var
r=t.exports=function(e,t,n,r){this.description=t,this.externalDocs=n,this.name=e,this.operation=r,this.operationsArra
y=[],this.path=e,this.tag=e};r.prototype.sort=function(){}},{}],12:[function(e,t,n){function r(){if(!s){s=!0;for(var
e,t=o.length;t;){e=o,o=[];for(var n=-1;++n<t;)e[n]();t=o.length}s=!1}}function i(){}var
a=t.exports={},o=[],s=!1;a.nextTick=function(e){o.push(e),s||setTimeout(r,0)},a.title="browser",a.browser=!0,a.env

={},a.argv=[],a.version="",a.versions={},a.on=i,a.addListener=i,a.once=i,a.off=i,a.removeListener=i,a.removeAllLi
steners=i,a.emit=i,a.binding=function(e){throw new Error("process.binding is not
supported")},a.cwd=function(){return"/"},a.chdir=function(e){throw new Error("process.chdir is not
supported")},a.umask=function(){return 0}},{}],13:[function(e,t,n){(function(e){!function(){"use strict";function
n(t){var n;return n=t instanceof e?t:new
e(t.toString(),"binary"),n.toString("base64")}t.exports=n}()}).call(this,e("buffer").Buffer)},{buffer:14}],14:[functio
n(e,t,n){function r(){return i.TYPED_ARRAY_SUPPORT?2147483647:1073741823}function i(e){return this
instanceof i?(this.length=0,this.parent=void 0,"number"==typeof e?a(this,e):"string"==typeof
e?o(this,e,arguments.length>1?arguments[1]:"utf8"):s(this,e)):arguments.length>1?new i(e,arguments[1]):new
i(e)}function a(e,t){if(e=d(e,t<0?0:0|m(t)),!i.TYPED_ARRAY_SUPPORT)for(var n=0;n<t;n++)e[n]=0;return
e}function o(e,t,n){"string"==typeof n&&""!==n||(n="utf8");var r=0|y(t,n);return e=d(e,r),e.write(t,n),e}function
s(e,t){if(i.isBuffer(t))return l(e,t);if(Q(t))return u(e,t);if(null==t)throw new TypeError("must start with number,
buffer, array or string");if("undefined"!=typeof ArrayBuffer){if(t.buffer instanceof ArrayBuffer)return c(e,t);if(t
instanceof ArrayBuffer)return p(e,t)}return t.length?h(e,t):f(e,t)}function l(e,t){var n=0|m(t.length);return
e=d(e,n),t.copy(e,0,0,n),e}function u(e,t){var n=0|m(t.length);e=d(e,n);for(var r=0;r<n;r+=1)e[r]=255&t[r];return
e}function c(e,t){var n=0|m(t.length);e=d(e,n);for(var r=0;r<n;r+=1)e[r]=255&t[r];return e}function p(e,t){return
i.TYPED_ARRAY_SUPPORT?(t.byteLength,e=i._augment(new Uint8Array(t))):e=c(e,new
Uint8Array(t)),e}function h(e,t){var n=0|m(t.length);e=d(e,n);for(var r=0;r<n;r+=1)e[r]=255&t[r];return e}function
f(e,t){var n,r=0;"Buffer"===t.type&&Q(t.data)&&(n=t.data,r=0|m(n.length)),e=d(e,r);for(var
i=0;i<r;i+=1)e[i]=255&n[i];return e}function d(e,t){i.TYPED_ARRAY_SUPPORT?e=i._augment(new
Uint8Array(t)):(e.length=t,e._isBuffer=!0);var n=0!==t&&t<=i.poolSize>>>1;return n&&(e.parent=G),e}function
m(e){if(e>=r())throw new RangeError("Attempt to allocate Buffer larger than maximum size:
0x"+r().toString(16)+" bytes");return 0|e}function g(e,t){if(!(this instanceof g))return new g(e,t);var n=new
i(e,t);return delete n.parent,n}function y(e,t){"string"!=typeof e&&(e=""+e);var n=e.length;if(0===n)return
0;for(var r=!1;;)switch(t){case"ascii":case"binary":case"raw":case"raws":return n;case"utf8":case"utf-8":return
$(e).length;case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return 2*n;case"hex":return
n>>>1;case"base64":return H(e).length;default:if(r)return $(e).length;t=(""+t).toLowerCase(),r=!0}}function
v(e,t,n){var r=!1;if(t=0|t,n=void
0===n||n===1/0?this.length:0|n,e||(e="utf8"),t<0&&(t=0),n>this.length&&(n=this.length),n<=t)return"";for(;;)switc
h(e){case"hex":return C(this,t,n);case"utf8":case"utf-8":return E(this,t,n);case"ascii":return
k(this,t,n);case"binary":return T(this,t,n);case"base64":return j(this,t,n);case"ucs2":case"ucs-
2":case"utf16le":case"utf-16le":return I(this,t,n);default:if(r)throw new TypeError("Unknown encoding:
"+e);e=(e+"").toLowerCase(),r=!0}}function b(e,t,n,r){n=Number(n)||0;var i=e.length-
n;r?(r=Number(r),r>i&&(r=i)):r=i;var a=t.length;if(a%2!==0)throw new Error("Invalid hex
string");r>a/2&&(r=a/2);for(var o=0;o<r;o++){var s=parseInt(t.substr(2*o,2),16);if(isNaN(s))throw new
Error("Invalid hex string");e[n+o]=s}return o}function w(e,t,n,r){return Y($(t,e.length-n),e,n,r)}function
_(e,t,n,r){return Y(F(t),e,n,r)}function x(e,t,n,r){return _(e,t,n,r)}function A(e,t,n,r){return Y(H(t),e,n,r)}function
S(e,t,n,r){return Y(V(t,e.length-n),e,n,r)}function j(e,t,n){return
0===t&&n===e.length?J.fromByteArray(e):J.fromByteArray(e.slice(t,n))}function
E(e,t,n){n=Math.min(e.length,n);for(var r=[],i=t;i<n;){var
a=e[i],o=null,s=a>239?4:a>223?3:a>191?2:1;if(i+s<=n){var l,u,c,p;switch(s){case 1:a<128&&(o=a);break;case
2:l=e[i+1],128===(192&l)&&(p=(31&a)<<6|63&l,p>127&&(o=p));break;case
3:l=e[i+1],u=e[i+2],128===(192&l)&&128===(192&u)&&(p=(15&a)<<12|(63&l)<<6|63&u,p>2047&&(p<55296|
|p>57343)&&(o=p));break;case
4:l=e[i+1],u=e[i+2],c=e[i+3],128===(192&l)&&128===(192&u)&&128===(192&c)&&(p=(15&a)<<18|(63&l)<<
12|(63&u)<<6|63&c,p>65535&&p<1114112&&(o=p))}}null===o?(o=65533,s=1):o>65535&&(o-
=65536,r.push(o>>>10&1023|55296),o=56320|1023&o),r.push(o),i+=s}return O(r)}function O(e){var
t=e.length;if(t<=K)return String.fromCharCode.apply(String,e);for(var

n="",r=0;r<t;)n+=String.fromCharCode.apply(String,e.slice(r,r+=K));return n}function k(e,t,n){var r="";n=Math.min(e.length,n);for(var i=t;i<n;i++)r+=String.fromCharCode(127&e[i]);return r}function T(e,t,n){var r="";n=Math.min(e.length,n);for(var i=t;i<n;i++)r+=String.fromCharCode(e[i]);return r}function C(e,t,n){var r=e.length;(!t||t<0)&&(t=0),(!n||n<0||n>r)&&(n=r);for(var i="",a=t;a<n;a++)i+=z(e[a]);return i}function I(e,t,n){for(var r=e.slice(t,n),i="",a=0;a<r.length;a+=2)i+=String.fromCharCode(r[a]+256*r[a+1]);return i}function D(e,t,n){if(e%1!==0||e<0)throw new RangeError("offset is not uint");if(e+t>n)throw new RangeError("Trying to access beyond buffer length")}function L(e,t,n,r,a,o){if(!i.isBuffer(e))throw new TypeError("buffer must be a Buffer instance");if(t>a||t<o)throw new RangeError("value is out of bounds");if(n+r>e.length)throw new RangeError("index out of range")}function M(e,t,n,r){t<0&&(t=65535+t+1);for(var i=0,a=Math.min(e.length-n,2);i<a;i++)e[n+i]=(t&255<<8*(r?i:1-i))>>>8*(r?i:1-i)}function R(e,t,n,r){t<0&&(t=4294967295+t+1);for(var i=0,a=Math.min(e.length-n,4);i<a;i++)e[n+i]=t>>>8*(r?i:3-i)&255}function U(e,t,n,r,i,a){if(t>i||t<a)throw new RangeError("value is out of bounds");if(n+r>e.length)throw new RangeError("index out of range");if(n<0)throw new RangeError("index out of range")}function P(e,t,n,r,i){return i||U(e,t,n,4,3.4028234663852886e38,-3.4028234663852886e38),W.write(e,t,n,r,23,4),n+4}function q(e,t,n,r,i){return i||U(e,t,n,8,1.7976931348623157e308,-1.7976931348623157e308),W.write(e,t,n,r,52,8),n+8}function B(e){if(e=N(e).replace(Z,""),e.length<2)return"";for(;e.length%4!==0;)e+="=";return e}function N(e){return e.trim?e.trim():e.replace(/^\s+|\s+$/g,"")}function z(e){return e<16?"0"+e.toString(16):e.toString(16)}function $(e,t){t=t||1/0;for(var n,r=e.length,i=null,a=[],o=0;o<r;o++){if(n=e.charCodeAt(o),n>55295&&n<57344){if(!i){if(n>56319){(t-=3)>-1&&a.push(239,191,189);continue}if(o+1===r){(t-=3)>-1&&a.push(239,191,189);continue}i=n;continue}if(n<56320){(t-=3)>-1&&a.push(239,191,189),i=n;continue}n=i-55296<<10|n-56320|65536}else i&&(t-=3)>-1&&a.push(239,191,189);if(i=null,n<128){if((t-=1)<0)break;a.push(n)}else if(n<2048){if((t-=2)<0)break;a.push(n>>6|192,63&n|128)}else if(n<65536){if((t-=3)<0)break;a.push(n>>12|224,n>>6&63|128,63&n|128)}else{if(!(n<1114112))throw new Error("Invalid code point");if((t-=4)<0)break;a.push(n>>18|240,n>>12&63|128,n>>6&63|128,63&n|128)}}return a}function F(e){for(var t=[],n=0;n<e.length;n++)t.push(255&e.charCodeAt(n));return t}function V(e,t){for(var n,r,i,a=[],o=0;o<e.length&&!((t-=2)<0);o++)n=e.charCodeAt(o),r=n>>8,i=n%256,a.push(i),a.push(r);return a}function H(e){return J.toByteArray(B(e))}function Y(e,t,n,r){for(var i=0;i<r&&!(i+n>=t.length||i>=e.length);i++)t[i+n]=e[i];return i}var J=e("base64-js"),W=e("ieee754"),Q=e("is-array");n.Buffer=i,n.SlowBuffer=g,n.INSPECT_MAX_BYTES=50,i.poolSize=8192;var G={};i.TYPED_ARRAY_SUPPORT=function(){function e(){}try{var t=new Uint8Array(1);return t.foo=function(){return 42},t.constructor=e,42===t.foo()&&t.constructor===e&&"function"==typeof t.subarray&&0===t.subarray(1,1).byteLength}catch(n){return!1}}(),i.isBuffer=function(e){return!(null==e||!e._isBuffer)},i.compare=function(e,t){if(!i.isBuffer(e)||!i.isBuffer(t))throw new TypeError("Arguments must be Buffers");if(e===t)return 0;for(var n=e.length,r=t.length,a=0,o=Math.min(n,r);a<o&&e[a]===t[a];)++a;return a!==o&&(n=e[a],r=t[a]),n<r?-1:r<n?1:0},i.isEncoding=function(e){switch(String(e).toLowerCase()){case"hex":case"utf8":case"utf-8":case"ascii":case"binary":case"base64":case"raw":case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return!0;default:return!1}},i.concat=function(e,t){if(!Q(e))throw new TypeError("list argument must be an Array of Buffers.");if(0===e.length)return new i(0);var n;if(void 0===t)for(t=0,n=0;n<e.length;n++)t+=e[n].length;var r=new i(t),a=0;for(n=0;n<e.length;n++){var o=e[n];o.copy(r,a),a+=o.length}return r},i.byteLength=y,i.prototype.length=void 0,i.prototype.parent=void 0,i.prototype.toString=function(){var e=0|this.length;return 0===e?"":0===arguments.length?E(this,0,e):v.apply(this,arguments)},i.prototype.equals=function(e){if(!i.isBuffer(e))throw new TypeError("Argument must be a Buffer");return this===e||0===i.compare(this,e)},i.prototype.inspect=function(){var e="",t=n.INSPECT_MAX_BYTES;return this.length>0&&(e=this.toString("hex",0,t).match(/.{2}/g).join(" "),this.length>t&&(e+=" ... ")),"<Buffer "+e+">"},i.prototype.compare=function(e){if(!i.isBuffer(e))throw new TypeError("Argument must be a

Buffer");return this===e?0:i.compare(this,e)},i.prototype.indexOf=function(e,t){function n(e,t,n){for(var r=-1,i=0;n+i<e.length;i++)if(e[n+i]===t[r===-1?0:i-r]){if(r===-1&&(r=i),i-r+1===t.length)return n+r}else r=-1;return-1}if(t>2147483647?t=2147483647:t<-2147483648&&(t=-2147483648),t>=0,0===this.length)return-1;if(t>=this.length)return-1;if(t<0&&(t=Math.max(this.length+t,0)),"string"==typeof e)return 0===e.length?-1:String.prototype.indexOf.call(this,e,t);if(i.isBuffer(e))return n(this,e,t);if("number"==typeof e)return i.TYPED_ARRAY_SUPPORT&&"function"===Uint8Array.prototype.indexOf?Uint8Array.prototype.indexOf.call(this,e,t):n(this,[e],t);throw new TypeError("val must be string, number or Buffer")},i.prototype.get=function(e){return console.log(".get() is deprecated. Access using array indexes instead."),this.readUInt8(e)},i.prototype.set=function(e,t){return console.log(".set() is deprecated. Access using array indexes instead."),this.writeUInt8(e,t)},i.prototype.write=function(e,t,n,r){if(void 0===t)r="utf8",n=this.length,t=0;else if(void 0===n&&"string"==typeof t)r=t,n=this.length,t=0;else if(isFinite(t))t=0|t,isFinite(n)?(n=0|n,void 0===r&&(r="utf8")):(r=n,n=void 0);else{var i=r;r=t,t=0|n,n=i}var a=this.length-t;if((void 0===n||n>a)&&(n=a),e.length>0&&(n<0||t<0)||t>this.length)throw new RangeError("attempt to write outside buffer bounds");r||(r="utf8");for(var o=!1;;)switch(r){case"hex":return b(this,e,t,n);case"utf8":case"utf-8":return w(this,e,t,n);case"ascii":return _(this,e,t,n);case"binary":return x(this,e,t,n);case"base64":return A(this,e,t,n);case"ucs2":case"ucs-2":case"utf16le":case"utf-16le":return S(this,e,t,n);default:if(o)throw new TypeError("Unknown encoding: "+r);r=(""+r).toLowerCase(),o=!0}},i.prototype.toJSON=function(){return{type:"Buffer",data:Array.prototype.slice.call(this._arr||this,0)}};var K=4096;i.prototype.slice=function(e,t){var n=this.length;e=~~e,t=void 0===t?n:~~t,e<0?(e+=n,e<0&&(e=0)):e>n&&(e=n),t<0?(t+=n,t<0&&(t=0)):t>n&&(t=n),t<e&&(t=e);var r;if(i.TYPED_ARRAY_SUPPORT)r=i._augment(this.subarray(e,t));else{var a=t-e;r=new i(a,(void 0));for(var o=0;o<a;o++)r[o]=this[o+e]}return r.length&&(r.parent=this.parent||this),r},i.prototype.readUIntLE=function(e,t,n){e=0|e,t=0|t,n||D(e,t,this.length);for(var r=this[e],i=1,a=0;++a<t&&(i*=256);)r+=this[e+a]*i;return r},i.prototype.readUIntBE=function(e,t,n){e=0|e,t=0|t,n||D(e,t,this.length);for(var r=this[e+--t],i=1;t>0&&(i*=256);)r+=this[e+--t]*i;return r},i.prototype.readUInt8=function(e,t){return t||D(e,1,this.length),this[e]},i.prototype.readUInt16LE=function(e,t){return t||D(e,2,this.length),this[e]|this[e+1]<<8},i.prototype.readUInt16BE=function(e,t){return t||D(e,2,this.length),this[e]<<8|this[e+1]},i.prototype.readUInt32LE=function(e,t){return t||D(e,4,this.length),(this[e]|this[e+1]<<8|this[e+2]<<16)+16777216*this[e+3]},i.prototype.readUInt32BE=function(e,t){return t||D(e,4,this.length),16777216*this[e]+(this[e+1]<<16|this[e+2]<<8|this[e+3])},i.prototype.readIntLE=function(e,t,n){e=0|e,t=0|t,n||D(e,t,this.length);for(var r=this[e],i=1,a=0;++a<t&&(i*=256);)r+=this[e+a]*i;return i*=128,r>=i&&(r-=Math.pow(2,8*t)),r},i.prototype.readIntBE=function(e,t,n){e=0|e,t=0|t,n||D(e,t,this.length);for(var r=t,i=1,a=this[e+--r];r>0&&(i*=256);)a+=this[e+--r]*i;return i*=128,a>=i&&(a-=Math.pow(2,8*t)),a},i.prototype.readInt8=function(e,t){return t||D(e,1,this.length),128&this[e]?(255-this[e]+1)*-1:this[e]},i.prototype.readInt16LE=function(e,t){t||D(e,2,this.length);var n=this[e]|this[e+1]<<8;return 32768&n?4294901760|n:n},i.prototype.readInt16BE=function(e,t){t||D(e,2,this.length);var n=this[e+1]|this[e]<<8;return 32768&n?4294901760|n:n},i.prototype.readInt32LE=function(e,t){return t||D(e,4,this.length),this[e]|this[e+1]<<8|this[e+2]<<16|this[e+3]<<24},i.prototype.readInt32BE=function(e,t){return t||D(e,4,this.length),this[e]<<24|this[e+1]<<16|this[e+2]<<8|this[e+3]},i.prototype.readFloatLE=function(e,t){return t||D(e,4,this.length),W.read(this,e,!0,23,4)},i.prototype.readFloatBE=function(e,t){return t||D(e,4,this.length),W.read(this,e,!1,23,4)},i.prototype.readDoubleLE=function(e,t){return t||D(e,8,this.length),W.read(this,e,!0,52,8)},i.prototype.readDoubleBE=function(e,t){return t||D(e,8,this.length),W.read(this,e,!1,52,8)},i.prototype.writeUIntLE=function(e,t,n,r){e=+e,t=0|t,n=0|n,r||L(this,e,t,n,Math.pow(2,8*n),0);var i=1,a=0;for(this[t]=255&e;++a<n&&(i*=256);)this[t+a]=e/i&255;return t+n},i.prototype.writeUIntBE=function(e,t,n,r){e=+e,t=0|t,n=0|n,r||L(this,e,t,n,Math.pow(2,8*n),0);var i=n-

1,a=1;for(this[t+i]=255&e;--i>=0&&(a*=256);)this[t+i]=e/a&255;return
t+n},i.prototype.writeUInt8=function(e,t,n){return
e=+e,t=0|t,n||L(this,e,t,1,255,0),i.TYPED_ARRAY_SUPPORT||(e=Math.floor(e)),this[t]=e,t+1},i.prototype.writeUI
nt16LE=function(e,t,n){return
e=+e,t=0|t,n||L(this,e,t,2,65535,0),i.TYPED_ARRAY_SUPPORT?(this[t]=e,this[t+1]=e>>>8):M(this,e,t,!0),t+2},i.p
rototype.writeUInt16BE=function(e,t,n){return
e=+e,t=0|t,n||L(this,e,t,2,65535,0),i.TYPED_ARRAY_SUPPORT?(this[t]=e>>>8,this[t+1]=e):M(this,e,t,!1),t+2},i.p
rototype.writeUInt32LE=function(e,t,n){return
e=+e,t=0|t,n||L(this,e,t,4,4294967295,0),i.TYPED_ARRAY_SUPPORT?(this[t+3]=e>>>24,this[t+2]=e>>>16,this[t
+1]=e>>>8,this[t]=e):R(this,e,t,!0),t+4},i.prototype.writeUInt32BE=function(e,t,n){return
e=+e,t=0|t,n||L(this,e,t,4,4294967295,0),i.TYPED_ARRAY_SUPPORT?(this[t]=e>>>24,this[t+1]=e>>>16,this[t+2]
=e>>>8,this[t+3]=e):R(this,e,t,!1),t+4},i.prototype.writeIntLE=function(e,t,n,r){if(e=+e,t=0|t,!r){var
i=Math.pow(2,8*n-1);L(this,e,t,n,i-1,-i)}var
a=0,o=1,s=e<0?1:0;for(this[t]=255&e;++a<n&&(o*=256);)this[t+a]=(e/o>>0)-s&255;return
t+n},i.prototype.writeIntBE=function(e,t,n,r){if(e=+e,t=0|t,!r){var i=Math.pow(2,8*n-1);L(this,e,t,n,i-1,-i)}var a=n-
1,o=1,s=e<0?1:0;for(this[t+a]=255&e;--a>=0&&(o*=256);)this[t+a]=(e/o>>0)-s&255;return
t+n},i.prototype.writeInt8=function(e,t,n){return e=+e,t=0|t,n||L(this,e,t,1,127,-
128),i.TYPED_ARRAY_SUPPORT||(e=Math.floor(e)),e<0&&(e=255+e+1),this[t]=e,t+1},i.prototype.writeInt16LE
=function(e,t,n){return e=+e,t=0|t,n||L(this,e,t,2,32767,-
32768),i.TYPED_ARRAY_SUPPORT?(this[t]=e,this[t+1]=e>>>8):M(this,e,t,!0),t+2},i.prototype.writeInt16BE=fu
nction(e,t,n){return e=+e,t=0|t,n||L(this,e,t,2,32767,-
32768),i.TYPED_ARRAY_SUPPORT?(this[t]=e>>>8,this[t+1]=e):M(this,e,t,!1),t+2},i.prototype.writeInt32LE=fu
nction(e,t,n){return e=+e,t=0|t,n||L(this,e,t,4,2147483647,-
2147483648),i.TYPED_ARRAY_SUPPORT?(this[t]=e,this[t+1]=e>>>8,this[t+2]=e>>>16,this[t+3]=e>>>24):R(thi
s,e,t,!0),t+4},i.prototype.writeInt32BE=function(e,t,n){return e=+e,t=0|t,n||L(this,e,t,4,2147483647,-
2147483648),e<0&&(e=4294967295+e+1),i.TYPED_ARRAY_SUPPORT?(this[t]=e>>>24,this[t+1]=e>>>16,this[
t+2]=e>>>8,this[t+3]=e):R(this,e,t,!1),t+4},i.prototype.writeFloatLE=function(e,t,n){return
P(this,e,t,!0,n)},i.prototype.writeFloatBE=function(e,t,n){return
P(this,e,t,!1,n)},i.prototype.writeDoubleLE=function(e,t,n){return
q(this,e,t,!0,n)},i.prototype.writeDoubleBE=function(e,t,n){return
q(this,e,t,!1,n)},i.prototype.copy=function(e,t,n,r){if(n||(n=0),r||0===r||(r=this.length),t>=e.length&&(t=e.length),t||(t
=0),r>0&&r<n&&(r=n),r===n)return 0;if(0===e.length||0===this.length)return 0;if(t<0)throw new
RangeError("targetStart out of bounds");if(n<0||n>=this.length)throw new RangeError("sourceStart out of
bounds");if(r<0)throw new RangeError("sourceEnd out of bounds");r>this.length&&(r=this.length),e.length-t<r-
n&&(r=e.length-t+n);var a,o=r-n;if(this===e&&n<t&&t<r)for(a=o-1;a>=0;a--)e[a+t]=this[a+n];else
if(o<1e3||!i.TYPED_ARRAY_SUPPORT)for(a=0;a<o;a++)e[a+t]=this[a+n];else
e._set(this.subarray(n,n+o),t);return o},i.prototype.fill=function(e,t,n){if(e||(e=0),t||(t=0),n||(n=this.length),n<t)throw
new RangeError("end < start");if(n!==t&&0!==this.length){if(t<0||t>=this.length)throw new RangeError("start out
of bounds");if(n<0||n>this.length)throw new RangeError("end out of bounds");var r;if("number"==typeof
e)for(r=t;r<n;r++)this[r]=e;else{var i=$(e.toString()),a=i.length;for(r=t;r<n;r++)this[r]=i[r%a]}return
this}},i.prototype.toArrayBuffer=function(){if("undefined"!=typeof
Uint8Array){if(i.TYPED_ARRAY_SUPPORT)return new i(this).buffer;for(var e=new
Uint8Array(this.length),t=0,n=e.length;t<n;t+=1)e[t]=this[t];return e.buffer}throw new
TypeError("Buffer.toArrayBuffer not supported in this browser")};var X=i.prototype;i._augment=function(e){return
e.constructor=i,e._isBuffer=!0,e._set=e.set,e.get=X.get,e.set=X.set,e.write=X.write,e.toString=X.toString,e.toLocale
String=X.toString,e.toJSON=X.toJSON,e.equals=X.equals,e.compare=X.compare,e.indexOf=X.indexOf,e.copy=X.
copy,e.slice=X.slice,e.readUIntLE=X.readUIntLE,e.readUIntBE=X.readUIntBE,e.readUInt8=X.readUInt8,e.readUI
nt16LE=X.readUInt16LE,e.readUInt16BE=X.readUInt16BE,e.readUInt32LE=X.readUInt32LE,e.readUInt32BE=X.

readUInt32BE,e.readIntLE=X.readIntLE,e.readIntBE=X.readIntBE,e.readInt8=X.readInt8,e.readInt16LE=X.readInt16LE,e.readInt16BE=X.readInt16BE,e.readInt32LE=X.readInt32LE,e.readInt32BE=X.readInt32BE,e.readFloatLE=X.readFloatLE,e.readFloatBE=X.readFloatBE,e.readDoubleLE=X.readDoubleLE,e.readDoubleBE=X.readDoubleBE,e.writeUInt8=X.writeUInt8,e.writeUIntLE=X.writeUIntLE,e.writeUIntBE=X.writeUIntBE,e.writeUInt16LE=X.writeUInt16LE,e.writeUInt16BE=X.writeUInt16BE,e.writeUInt32LE=X.writeUInt32LE,e.writeUInt32BE=X.writeUInt32BE,e.writeIntLE=X.writeIntLE,e.writeIntBE=X.writeIntBE,e.writeInt8=X.writeInt8,e.writeInt16LE=X.writeInt16LE,e.writeInt16BE=X.writeInt16BE,e.writeInt32LE=X.writeInt32LE,e.writeInt32BE=X.writeInt32BE,e.writeFloatLE=X.writeFloatLE,e.writeFloatBE=X.writeFloatBE,e.writeDoubleLE=X.writeDoubleLE,e.writeDoubleBE=X.writeDoubleBE,e.fill=X.fill,e.inspect=X.inspect,e.toArrayBuffer=X.toArrayBuffer,e};var Z=/[^+\/0-9A-Za-z-_]/g},{"base64-js":15,ieee754:16,"is-array":17}],15:[function(e,t,n){var r="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/";!function(e){"use strict";function t(e){var t=e.charCodeAt(0);return t===o||t===p?62:t===s||t===h?63:t<l?-1:t<l+10?t-l+26+26:t<c+26?t-c:t<u+26?t-u+26:void 0}function n(e){function n(e){u[p++]=e}var r,i,o,s,l,u;if(e.length%4>0)throw new Error("Invalid string. Length must be a multiple of 4");var c=e.length;l="="===e.charAt(c-2)?2:"="===e.charAt(c-1)?1:0,u=new a(3*e.length/4-l),o=l>0?e.length-4:e.length;var p=0;for(r=0,i=0;r<o;r+=4,i+=3)s=t(e.charAt(r))<<18|t(e.charAt(r+1))<<12|t(e.charAt(r+2))<<6|t(e.charAt(r+3)),n((16711680&s)>>16),n((65280&s)>>8),n(255&s);return 2===l?(s=t(e.charAt(r))<<2|t(e.charAt(r+1))>>4,n(255&s)):1===l&&(s=t(e.charAt(r))<<10|t(e.charAt(r+1))<<4|t(e.charAt(r+2))>>2,n(s>>8&255),n(255&s)),u}function i(e){function t(e){return r.charAt(e)}function n(e){return t(e>>18&63)+t(e>>12&63)+t(e>>6&63)+t(63&e)}var i,a,o,s=e.length%3,l="";for(i=0,o=e.length-s;i<o;i+=3)a=(e[i]<<16)+(e[i+1]<<8)+e[i+2],l+=n(a);switch(s){case 1:a=e[e.length-1],l+=t(a>>2),l+=t(a<<4&63),l+="==";break;case 2:a=(e[e.length-2]<<8)+e[e.length-1],l+=t(a>>10),l+=t(a>>4&63),l+=t(a<<2&63),l+="="}return l}var a="undefined"!=typeof Uint8Array?Uint8Array:Array,o="+".charCodeAt(0),s="/".charCodeAt(0),l="0".charCodeAt(0),u="a".charCodeAt(0),c="A".charCodeAt(0),p="-".charCodeAt(0),h="_".charCodeAt(0);e.toByteArray=n,e.fromByteArray=i}("undefined"==typeof n?this.base64js={}:n)},{}],16:[function(e,t,n){n.read=function(e,t,n,r,i){var a,o,s=8*i-r-1,l=(1<<s)-1,u=l>>1,c=-7,p=n?i-1:0,h=n?-1:1,f=e[t+p];for(p+=h,a=f&(1<<-c)-1,f>>=-c,c+=s;c>0;a=256*a+e[t+p],p+=h,c-=8);for(o=a&(1<<-c)-1,a>>=-c,c+=r;c>0;o=256*o+e[t+p],p+=h,c-=8);if(0===a)a=1-u;else{if(a===l)return o?NaN:(f?-1:1)*(1/0);o+=Math.pow(2,r),a-=u}return(f?-1:1)*o*Math.pow(2,a-r)},n.write=function(e,t,n,r,i,a){var o,s,l,u=8*a-i-1,c=(1<<u)-1,p=c>>1,h=23===i?Math.pow(2,-24)-Math.pow(2,-77):0,f=r?0:a-1,d=r?1:-1,m=t<0||0===t&&1/t<0?1:0;for(t=Math.abs(t),isNaN(t)||t===1/0?(s=isNaN(t)?1:0,o=c):(o=Math.floor(Math.log(t)/Math.LN2),t*(l=Math.pow(2,-o))<1&&(o--,l*=2),t+=o+p>=1?h/l:h*Math.pow(2,1-p),t*l>=2&&(o++,l/=2),o+p>=c?(s=0,o=c):o+p>=1?(s=(t*l-1)*Math.pow(2,i),o+=p):(s=t*Math.pow(2,p-1)*Math.pow(2,i),o=0));i>=8;e[n+f]=255&s,f+=d,s/=256,i-=8);for(o=o<<i|s,u+=i;u>0;e[n+f]=255&o,f+=d,o/=256,u-=8);e[n+f-d]|=128*m}},{}],17:[function(e,t,n){var r=Array.isArray,i=Object.prototype.toString;t.exports=r||function(e){return!!e&&"[object Array]"==i.call(e)}},{}],18:[function(e,t,n){!function(){"use strict";function e(t,n,r,i){return this instanceof e?(this.domain=t||void 0,this.path=n||"/",this.secure=!!r,this.script=!!i,this):new e(t,n,r,i)}function t(e,n,r){return e instanceof t?e:this instanceof t?(this.name=null,this.value=null,this.expiration_date=1/0,this.path=String(r||"/"),this.explicit_path=!1,this.domain=n||null,this.explicit_domain=!1,this.secure=!1,this.noscript=!1,e&&this.parse(e,n,r),this):new t(e,n,r)}function r(){var e,n,i;return this instanceof r?(e=Object.create(null),this.setCookie=function(r,a,o){var s,l;if(r=new t(r,a,o),s=r.expiration_date<=Date.now(),void 0!==e[r.name]){for(n=e[r.name],l=0;l<n.length;l+=1)if(i=n[l],i.collidesWith(r))return s?(n.splice(l,1),0===n.length&&delete e[r.name],!1):(n[l]=r,r);return!s&&(n.push(r),r)}return!s&&(e[r.name]=[r],e[r.name])},this.getCookie=function(t,r){

var i,a;if(n=e[t])for(a=0;a<n.length;a+=1)if(i=n[a],i.expiration_date<=Date.now())0===n.length&&delete e[i.name];else if(i.matches(r))return i},this.getCookies=function(t){var n,r,i=[];for(n in e)r=this.getCookie(n,t),r&&i.push(r);return i.toString=function(){return i.join(";")},i.toValueString=function(){return i.map(function(e){return e.toValueString()}).join(";")},i},this):new r}n.CookieAccessInfo=e,n.Cookie=t,t.prototype.toString=function(){var e=[this.name+"="+this.value];return this.expiration_date!==1/0&&e.push("expires="+new Date(this.expiration_date).toGMTString()),this.domain&&e.push("domain="+this.domain),this.path&&e.push("path="+this.path),this.secure&&e.push("secure"),this.noscript&&e.push("httponly"),e.join("; ")},t.prototype.toValueString=function(){return this.name+"="+this.value};var i=/[:](?=\s*[a-zA-Z0-9_\-]+\s*[=])/g;t.prototype.parse=function(e,n,r){if(this instanceof t){var i,a=e.split(";").filter(function(e){return!!e}),o=a[0].match(/([^=]+)=([\s\S]*)/),s=o[1],l=o[2];for(this.name=s,this.value=l,i=1;i<a.length;i+=1)switch(o=a[i].match(/([^=]+)(?:=([\s\S]*))?/),s=o[1].trim().toLowerCase(),l=o[2],s){case"httponly":this.noscript=!0;break;case"expires":this.expiration_date=l?Number(Date.parse(l)):1/0;break;case"path":this.path=l?l.trim():"",this.explicit_path=!0;break;case"domain":this.domain=l?l.trim():"",this.explicit_domain=!!this.domain;break;case"secure":this.secure=!0}return this.explicit_path||(this.path=r||"/"),this.explicit_domain||(this.domain=n),this}return(new t).parse(e,n,r)},t.prototype.matches=function(e){return!(this.noscript&&e.script||this.secure&&!e.secure||!this.collidesWith(e))},t.prototype.collidesWith=function(e){if(this.path&&!e.path||this.domain&&!e.domain)return!1;if(this.path&&0!==e.path.indexOf(this.path))return!1;if(this.explicit_path&&0!==e.path.indexOf(this.path))return!1;var t=e.domain&&e.domain.replace(/^\.]/,""),n=this.domain&&this.domain.replace(/^\.]/,"");if(n===t)return!0;if(n){if(!this.explicit_domain)return!1;var r=t.indexOf(n);return r!==-1&&r===t.length-n.length}return!0},n.CookieJar=r,r.prototype.setCookies=function(e,n,r){e=Array.isArray(e)?e:e.split(i);var a,o,s=[];for(e=e.map(function(e){return new t(e,n,r)}),a=0;a<e.length;a+=1)o=e[a],this.setCookie(o,n,r)&&s.push(o);return s}}())},{}],19:[function(e,t,n){"use strict";var r=e("./lib/js-yaml.js");t.exports=r},{"./lib/js-yaml.js":20}],20:[function(e,t,n){"use strict";function r(e){return function(){throw new Error("Function "+e+" is deprecated and cannot be used.")}}var i=e("./js-yaml/loader"),a=e("./js-yaml/dumper");t.exports.Type=e("./js-yaml/type"),t.exports.Schema=e("./js-yaml/schema"),t.exports.FAILSAFE_SCHEMA=e("./js-yaml/schema/failsafe"),t.exports.JSON_SCHEMA=e("./js-yaml/schema/json"),t.exports.CORE_SCHEMA=e("./js-yaml/schema/core"),t.exports.DEFAULT_SAFE_SCHEMA=e("./js-yaml/schema/default_safe"),t.exports.DEFAULT_FULL_SCHEMA=e("./js-yaml/schema/default_full"),t.exports.load=i.load,t.exports.loadAll=i.loadAll,t.exports.safeLoad=i.safeLoad,t.exports.safeLoadAll=i.safeLoadAll,t.exports.dump=a.dump,t.exports.safeDump=a.safeDump,t.exports.YAMLException=e("./js-yaml/exception"),t.exports.MINIMAL_SCHEMA=e("./js-yaml/schema/failsafe"),t.exports.SAFE_SCHEMA=e("./js-yaml/schema/default_safe"),t.exports.DEFAULT_SCHEMA=e("./js-yaml/schema/default_full"),t.exports.scan=r("scan"),t.exports.parse=r("parse"),t.exports.compose=r("compose"),t.exports.addConstructor=r("addConstructor")},{"./js-yaml/dumper":22,"./js-yaml/exception":23,"./js-yaml/loader":24,"./js-yaml/schema":26,"./js-yaml/schema/core":27,"./js-yaml/schema/default_full":28,"./js-yaml/schema/default_safe":29,"./js-yaml/schema/failsafe":30,"./js-yaml/schema/json":31,"./js-yaml/type":32}],21:[function(e,t,n){"use strict";function r(e){return"undefined"==typeof e||null===e}function i(e){return"object"==typeof e&&null!==e}function a(e){return Array.isArray(e)?e:r(e)?[]:[e]}function o(e,t){var n,r,i,a;if(t)for(a=Object.keys(t),n=0,r=a.length;n<r;n+=1)i=a[n],e[i]=t[i];return e}function s(e,t){var n,r="";for(n=0;n<t;n+=1)r+=e;return r}function l(e){return 0===e&&Number.NEGATIVE_INFINITY===1/e}t.exports.isNothing=r,t.exports.isObject=i,t.exports.toArray=a,t.exports.repeat=s,t.exports.isNegativeZero=l,t.exports.extend=o},{}],22:[function(e,t,n){"use strict";function r(e,t){var n,r,i,a,o,s,l;if(null===t)return{};for(n={},r=Object.keys(t),i=0,a=r.length;i<a;i+=1)o=r[i],s=String(t[o]),"!!"===o.sli

ce(0,2)&&(o="tag:yaml.org,2002:"+o.slice(2)),l=e.compiledTypeMap[o],l&&R.call(l.styleAliases,s)&&(s=l.styleAliases[s]),n[o]=s;return n}function i(e){var t,n,r;if(t=e.toString(16).toUpperCase(),e<=255)n="x",r=2;else if(e<=65535)n="u",r=4;else{if(!(e<=4294967295))throw new I("code point within a string may not be greater than 0xFFFFFFFF");n="U",r=8}return"\\"+n+C.repeat("0",r-t.length)+t}function a(e){this.schema=e.schema||D,this.indent=Math.max(1,e.indent||2),this.skipInvalid=e.skipInvalid||!1,this.flowLevel=C.isNothing(e.flowLevel)?-1:e.flowLevel,this.styleMap=r(this.schema,e.styles||null),this.sortKeys=e.sortKeys||!1,this.lineWidth=e.lineWidth||80,this.noRefs=e.noRefs||!1,this.noCompatMode=e.noCompatMode||!1,this.implicitTypes=this.schema.compiledImplicit,this.explicitTypes=this.schema.compiledExplicit,this.tag=null,this.result="",this.duplicates=[],this.usedDuplicates=null}function o(e,t){for(var n,r=C.repeat(" ",t),i=0,a=-1,o="",s=e.length;i<s;)a=e.indexOf("\n",i),a===-1?(n=e.slice(i),i=s):(n=e.slice(i,a+1),i=a+1),n.length&&"\n"!==n&&(o+=r),o+=n;return o}function s(e,t){return"\n"+C.repeat(" ",e.indent*t)}function l(e,t){var n,r,i;for(n=0,r=e.implicitTypes.length;n<r;n+=1)if(i=e.implicitTypes[n],i.resolve(t))return!0;return!1}function u(e){return e===q||e===U}function c(e){return 32<=e&&e<=126||161<=e&&e<=55295&&8232!==e&&8233!==e||57344<=e&&e<=65533&&65279!==e||65536<=e&&e<=1114111}function p(e){return c(e)&&65279!==e&&e!==Y&&e!==X&&e!==Z&&e!==te&&e!==re&&e!==W&&e!==z}function h(e){return c(e)&&65279!==e&&!u(e)&&e!==J&&e!==G&&e!==W&&e!==Y&&e!==X&&e!==Z&&e!==te&&e!==re&&e!==z&&e!==F&&e!==H&&e!==B&&e!==ne&&e!==Q&&e!==V&&e!==N&&e!==$&&e!==K&&e!==ee}function f(e,t,n,r,i){var a,o,s=!1,l=!1,f=r!==-1,d=-1,m=h(e.charCodeAt(0))&&!u(e.charCodeAt(e.length-1));if(t)for(a=0;a<e.length;a++){if(o=e.charCodeAt(a),!c(o))return ce;m=m&&p(o)}else{for(a=0;a<e.length;a++){if(o=e.charCodeAt(a),o===P)s=!0,f&&(l=l||a-d-1>r&&" "!==e[d+1],d=a);else if(!c(o))return ce;m=m&&p(o)}l=l||f&&a-d-1>r&&" "!==e[d+1]}return s||l?" "===e[0]&&n>9?ce:l?ue:le:m&&!i(e)?oe:se}function d(e,t,n,r){e.dump=function(){function i(t){return l(e,t)}if(0===t.length)return"''";if(!e.noCompatMode&&ae.indexOf(t)!==-1)return"'"+t+"'";var a=e.indent*Math.max(1,n),s=e.lineWidth===-1?-1:Math.max(Math.min(e.lineWidth,40),e.lineWidth-a),u=r||e.flowLevel>-1&&n>=e.flowLevel;switch(f(t,u,e.indent,s,i)){case oe:return t;case se:return"'"+t.replace(/'/g,"''")+"'";case le:return"|"+m(t,e.indent)+g(o(t,a));case ue:return">"+m(t,e.indent)+g(o(y(t,s),a));case ce:return"'"+b(t,s)+"'";default:throw new I("impossible error: invalid scalar style")}}()}function m(e,t){var n=" "===e[0]?String(t):"",r="\n"===e[e.length-1],i=r&&("\n"===e[e.length-2]||"\n"===e),a=i?"+":r?"":"-";return n+a+"\n"}function g(e){return"\n"===e[e.length-1]?e.slice(0,-1):e}function y(e,t){for(var n,r,i=/(\n+)([^\n]*)/g,a=function(){var n=e.indexOf("\n");return n=n!==-1?n:e.length,i.lastIndex=n,v(e.slice(0,n),t)}(),o="\n"===e[0]||" "===e[0];r=i.exec(e);){var s=r[1],l=r[2];n=" "===l[0],a+=s+(o||n||""===l?"":"\n")+v(l,t),o=n}return a}function v(e,t){if(""===e||" "===e[0])return e;for(var n,r,i=/ [^]/g,a=0,o=0,s=0,l="";n=i.exec(e);)s=n.index,s-a>t&&(r=o>a?o:s,l+="\n"+e.slice(a,r),a=r+1),o=s;return l+="\n",l+=e.length-a>t&&o>a?e.slice(a,o)+"\n"+e.slice(o+1):e.slice(a),l.slice(1)}function b(e){for(var t,n,r="",a=0;a<e.length;a++)t=e.charCodeAt(a),n=ie[t],r+=!n&&c(t)?e[a]:n||i(t);return r}function w(e,t,n){var r,i,a="",o=e.tag;for(r=0,i=n.length;r<i;r+=1)j(e,t,n[r],!1,!1)&&(0!==r&&(a+=","),a+=e.dump);e.tag=o,e.dump="["+a+"]"}function _(e,t,n,r){var i,a,o="",l=e.tag;for(i=0,a=n.length;i<a;i+=1)j(e,t+1,n[i],!0,!0)&&(r&&0===i||(o+=s(e,t)),o+="-"+e.dump);e.tag=l,e.dump=o||"[]"}function x(e,t,n){var r,i,a,o,s,l="",u=e.tag,c=Object.keys(n);for(r=0,i=c.length;r<i;r+=1)s="",0!==r&&(s+=", "),a=c[r],o=n[a],j(e,t,a,!1,!1)&&(e.dump.length>1024&&(s+="? "),s+=e.dump+": ",j(e,t,o,!1,!1)&&(s+=e.dump,l+=s));e.tag=u,e.dump="{"+l+"}"}function A(e,t,n,r){var i,a,o,l,u,c,p="",h=e.tag,f=Object.keys(n);if(e.sortKeys===!0)f.sort();else if("function"==typeof e.sortKeys)f.sort(e.sortKeys);else if(e.sortKeys)throw new I("sortKeys must be a boolean or a function");for(i=0,a=f.length;i<a;i+=1)c="",r&&0===i||(c+=s(e,t)),o=f[i],l=n[o],j(e,t+1,o,!0,!0,!0)&&(u=null!==e.tag&&"?"!==e.tag||e.dump&&e.dump.length>1024,u&&(c+=e.dump&&P===e.dump.charCodeAt(0)?"?":"? "

"),c+=e.dump,u&&(c+=s(e,t)),j(e,t+1,l,!0,u)&&(c+=e.dump&&P===e.dump.charCodeAt(0)?":":":
",c+=e.dump,p+=c));e.tag=h,e.dump=p||"{}"}function S(e,t,n){var
r,i,a,o,s,l;for(i=n?e.explicitTypes:e.implicitTypes,a=0,o=i.length;a<o;a+=1)if(s=i[a],(s.instanceOf||s.predicate)&&(!s
.instanceOf||"object"==typeof t&&t instanceof
s.instanceOf)&&(!s.predicate||s.predicate(t))){if(e.tag=n?s.tag:"?",s.represent){if(l=e.styleMap[s.tag]||s.defaultStyle,
"[object Function]"===M.call(s.represent))r=s.represent(t,l);else{if(!R.call(s.represent,l))throw new I("!<"+s.tag+'>
tag resolver accepts not "'+l+'" style');r=s.represent[l](t,l)}e.dump=r}return!0}return!1}function
j(e,t,n,r,i,a){e.tag=null,e.dump=n,S(e,n,!1)||S(e,n,!0);var
o=M.call(e.dump);r&&(r=e.flowLevel<0||e.flowLevel>t);var s,l,u="[object Object]"===o||"[object
Array]"===o;if(u&&(s=e.duplicates.indexOf(n),l=s!==-
1),(null!==e.tag&&"?"!==e.tag||l||2!==e.indent&&t>0)&&(i=!1),l&&e.usedDuplicates[s])e.dump="*ref_"+s;else{if
(u&&l&&!e.usedDuplicates[s]&&(e.usedDuplicates[s]=!0),"[object
Object]"===o)r&&0!==Object.keys(e.dump).length?(A(e,t,e.dump,i),l&&(e.dump="&ref_"+s+e.dump)):(x(e,t,e.du
mp),l&&(e.dump="&ref_"+s+" "+e.dump));else if("[object
Array]"===o)r&&0!==e.dump.length?(_(e,t,e.dump,i),l&&(e.dump="&ref_"+s+e.dump)):(w(e,t,e.dump),l&&(e.du
mp="&ref_"+s+" "+e.dump));else if("[object String]"!==o){if(e.skipInvalid)return!1;throw new I("unacceptable
kind of an object to dump
"+o)}"?"!==e.tag&&d(e,e.dump,t,a)}null!==e.tag&&"?"!==e.tag&&(e.dump="!<"+e.tag+">
"+e.dump)}return!0}function E(e,t){var
n,r,i=[],a=[];for(O(e,i,a),n=0,r=a.length;n<r;n+=1)t.duplicates.push(i[a[n]]);t.usedDuplicates=new Array(r)}function
O(e,t,n){var r,i,a;if(null!==e&&"object"==typeof e)if(i=t.indexOf(e),i!==-1)n.indexOf(i)===-1&&n.push(i);else
if(t.push(e),Array.isArray(e))for(i=0,a=e.length;i<a;i+=1)O(e[i],t,n);else
for(r=Object.keys(e),i=0,a=r.length;i<a;i+=1)O(e[r[i]],t,n)}function k(e,t){t=t||{};var n=new a(t);return
n.noRefs||E(n,e),j(n,0,e,!0,!0)?n.dump+"\n":""}function T(e,t){return k(e,C.extend({schema:L},t))}var
C=e("./common"),I=e("./exception"),D=e("./schema/default_full"),L=e("./schema/default_safe"),M=Object.prototyp
e.toString,R=Object.prototype.hasOwnProperty,U=9,P=10,q=32,B=33,N=34,z=35,$=37,F=38,V=39,H=42,Y=44,J=
45,W=58,Q=62,G=63,K=64,X=91,Z=93,ee=96,te=123,ne=124,re=125,ie={};ie[0]="\\0",ie[7]="\\a",ie[8]="\\b",ie[9]
="\\t",ie[10]="\\n",ie[11]="\\v",ie[12]="\\f",ie[13]="\\r",ie[27]="\\e",ie[34]='\\"',ie[92]="\\\\",ie[133]="\\N",ie[160]="
_",ie[8232]="\\L",ie[8233]="\\P";var
ae=["y","Y","yes","Yes","YES","on","On","ON","n","N","no","No","NO","off","Off","OFF"],oe=1,se=2,le=3,ue=4
,ce=5;t.exports.dump=k,t.exports.safeDump=T},{"./common":21,"./exception":23,"./schema/default_full":28,"./sche
ma/default_safe":29}],23:[function(e,t,n){"use strict";function
r(e,t){Error.call(this),Error.captureStackTrace?Error.captureStackTrace(this,this.constructor):this.stack=(new
Error).stack||"",this.name="YAMLException",this.reason=e,this.mark=t,this.message=(this.reason||"(unknown
reason)")+(this.mark?"
"+this.mark.toString():"")}r.prototype=Object.create(Error.prototype),r.prototype.constructor=r,r.prototype.toString
=function(e){var t=this.name+": ";return t+=this.reason||"(unknown reason)",!e&&this.mark&&(t+="
"+this.mark.toString()),t},t.exports=r},{}],24:[function(e,t,n){"use strict";function r(e){return
10===e||13===e}function i(e){return 9===e||32===e}function a(e){return
9===e||32===e||10===e||13===e}function o(e){return 44===e||91===e||93===e||123===e||125===e}function
s(e){var t;return 48<=e&&e<=57?e-48:(t=32|e,97<=t&&t<=102?t-97+10:-1)}function l(e){return
120===e?2:117===e?4:85===e?8:0}function u(e){return 48<=e&&e<=57?e-48:-1}function c(e){return
48===e?"\0":97===e?"
":98===e?"\b":116===e?"\t":9===e?"\t":110===e?"\n":118===e?"\x0B":102===e?"\f":114===e?"\r":101===e?"
":32===e?"
":34===e?'"':47===e?"/":92===e?"\\":78===e?"
":95===e?"
":76===e?"\u2028":80===e?"\u2029":""}function
p(e){return e<=65535?String.fromCharCode(e):String.fromCharCode((e-65536>>10)+55296,(e-
65536&1023)+56320)}function

h(e,t){this.input=e,this.filename=t.filename||null,this.schema=t.schema||V,this.onWarning=t.onWarning||null,this.leg
acy=t.legacy||!1,this.json=t.json||!1,this.listener=t.listener||null,this.implicitTypes=this.schema.compiledImplicit,this.
typeMap=this.schema.compiledTypeMap,this.length=e.length,this.position=0,this.line=0,this.lineStart=0,this.lineInd
ent=0,this.documents=[]}function f(e,t){return new z(t,new $(e.filename,e.input,e.position,e.line,e.position-
e.lineStart))}function d(e,t){throw f(e,t)}function m(e,t){e.onWarning&&e.onWarning.call(null,f(e,t))}function
g(e,t,n,r){var
i,a,o,s;if(t<n){if(s=e.input.slice(t,n),r)for(i=0,a=s.length;i<a;i+=1)o=s.charCodeAt(i),9===o||32<=o&&o<=1114111|
|d(e,"expected valid JSON character");else Z.test(s)&&d(e,"the stream contains non-printable
characters");e.result+=s}}function y(e,t,n,r){var i,a,o,s;for(N.isObject(n)||d(e,"cannot merge mappings; the provided
source object is
unacceptable"),i=Object.keys(n),o=0,s=i.length;o<s;o+=1)a=i[o],H.call(t,a)||(t[a]=n[a],r[a]=!0)}function
v(e,t,n,r,i,a){var
o,s;if(i=String(i),null===t&&(t={}),"tag:yaml.org,2002:merge"===r)if(Array.isArray(a))for(o=0,s=a.length;o<s;o+
=1)y(e,t,a[o],n);else y(e,t,a,n);else e.json||H.call(n,i)||!H.call(t,i)||d(e,"duplicated mapping key"),t[i]=a,delete
n[i];return t}function b(e){var
t;t=e.input.charCodeAt(e.position),10===t?e.position++:13===t?(e.position++,10===e.input.charCodeAt(e.position
)&&e.position++):d(e,"a line break is expected"),e.line+=1,e.lineStart=e.position}function w(e,t,n){for(var
a=0,o=e.input.charCodeAt(e.position);0!==o;){for(;i(o);)o=e.input.charCodeAt(++e.position);if(t&&35===o)do
o=e.input.charCodeAt(++e.position);while(10!==o&&13!==o&&0!==o);if(!r(o))break;for(b(e),o=e.input.charCode
At(e.position),a++,e.lineIndent=0;32===o;)e.lineIndent++,o=e.input.charCodeAt(++e.position)}return n!==-
1&&0!==a&&e.lineIndent<n&&m(e,"deficient indentation"),a}function _(e){var t,n=e.position;return
t=e.input.charCodeAt(n),!(45!==t&&46!==t||t!==e.input.charCodeAt(n+1)||t!==e.input.charCodeAt(n+2)||(n+=3,t=e
.input.charCodeAt(n),0!==t&&!a(t)))}function x(e,t){1===t?e.result+=" ":t>1&&(e.result+=N.repeat("\n",t-
1))}function A(e,t,n){var
s,l,u,c,p,h,f,d,m,y=e.kind,v=e.result;if(m=e.input.charCodeAt(e.position),a(m)||o(m)||35===m||38===m||42===m||33
===m||124===m||62===m||39===m||34===m||37===m||64===m||96===m)return!1;if((63===m||45===m)&&(l=e.i
nput.charCodeAt(e.position+1),a(l)||n&&o(l)))return!1;for(e.kind="scalar",e.result="",u=c=e.position,p=!1;0!==m;)
{if(58===m){if(l=e.input.charCodeAt(e.position+1),a(l)||n&&o(l))break}else
if(35===m){if(s=e.input.charCodeAt(e.position-
1),a(s))break}else if(e.position===e.lineStart&&_(e)||n&&o(m))break;if(r(m)){if(h=e.line,f=e.lineStart,d=e.lineInd
ent,w(e,!1,-
1),e.lineIndent>=t){p=!0,m=e.input.charCodeAt(e.position);continue}e.position=c,e.line=h,e.lineStart=f,e.lineIndent=d;break}}p&&(g(e,u,c,!1),x(e,e.line-
h),u=c=e.position,p=!1),i(m)||(c=e.position+1),m=e.input.charCodeAt(++e.position)}return
g(e,u,c,!1),!!e.result||(e.kind=y,e.result=v,!1)}function S(e,t){var
n,i,a;if(n=e.input.charCodeAt(e.position),39!==n)return!1;for(e.kind="scalar",e.result="",e.position++,i=a=e.positio
n;0!==(n=e.input.charCodeAt(e.position));)if(39===n){if(g(e,i,e.position,!0),n=e.input.charCodeAt(++e.position),3
9!==n)return!0;i=a=e.position,e.position++}else
r(n)?(g(e,i,a,!0),x(e,w(e,!1,t)),i=a=e.position):e.position===e.lineStart&&_(e)?d(e,"unexpected end of the document
within a single quoted scalar"):(e.position++,a=e.position);d(e,"unexpected end of the stream within a single quoted
scalar")}function j(e,t){var
n,i,a,o,u,c;if(c=e.input.charCodeAt(e.position),34!==c)return!1;for(e.kind="scalar",e.result="",e.position++,n=i=e.p
osition;0!==(c=e.input.charCodeAt(e.position));){if(34===c)return
g(e,n,e.position,!0),e.position++,!0;if(92===c){if(g(e,n,e.position,!0),c=e.input.charCodeAt(++e.position),r(c))w(e,!
1,t);else if(c<256&&ie[c])e.result+=ae[c],e.position++;else if((u=l(c))>0){for(a=u,o=0;a>0;a--
)c=e.input.charCodeAt(++e.position),(u=s(c))>=0?o=(o<<4)+u:d(e,"expected hexadecimal
character");e.result+=p(o),e.position++}else d(e,"unknown escape sequence");n=i=e.position}else
r(c)?(g(e,n,i,!0),x(e,w(e,!1,t)),n=i=e.position):e.position===e.lineStart&&_(e)?d(e,"unexpected end of the document

within a double quoted scalar"):(e.position++,i=e.position)}d(e,"unexpected end of the stream within a double quoted scalar")}function E(e,t){var n,r,i,o,s,l,u,c,p,h,f,m=!0,g=e.tag,y=e.anchor,b={};if(f=e.input.charCodeAt(e.position),91===f)o=93,u=!1,r=[];else{if(123!==f)return!1;o=125,u=!0,r={}}for(null!==e.anchor&&(e.anchorMap[e.anchor]=r),f=e.input.charCodeAt(++e.position);0!==f;){if(w(e,!0,t),f=e.input.charCodeAt(e.position),f===o)return e.position++,e.tag=g,e.anchor=y,e.kind=u?"mapping":"sequence",e.result=r,!0;m||d(e,"missed comma between flow collection entries"),p=c=h=null,s=l=!1,63===f&&(i=e.input.charCodeAt(e.position+1),a(i)&&(s=l=!0,e.position++,w(e,!0,t))),n=e.line,L(e,t,Y,!1,!0),p=e.tag,c=e.result,w(e,!0,t),f=e.input.charCodeAt(e.position),!l&&e.line!==n||58!==f||(s=!0,f=e.input.charCodeAt(++e.position),w(e,!0,t),L(e,t,Y,!1,!0),h=e.result),u?v(e,r,b,p,c,h):s?r.push(v(e,null,b,p,c,h)):r.push(c),w(e,!0,t),f=e.input.charCodeAt(e.position),44===f?(m=!0,f=e.input.charCodeAt(++e.position)):m=!1}d(e,"unexpected end of the stream within a flow collection")}function O(e,t){var n,a,o,s,l=G,c=!1,p=!1,h=t,f=0,m=!1;if(s=e.input.charCodeAt(e.position),124===s)a=!1;else{if(62!==s)return!1;a=!0}for(e.kind="scalar",e.result="";0!==s;)if(s=e.input.charCodeAt(++e.position),43===s||45===s)G===l?l=43===s?X:K:d(e,"repeat of a chomping mode identifier");else{if(!((o=u(s))>=0))break;0===o?d(e,"bad explicit indentation width of a block scalar; it cannot be less than one"):p?d(e,"repeat of an indentation width identifier"):(h=t+o-1,p=!0)}if(i(s)){do s=e.input.charCodeAt(++e.position);while(i(s));if(35===s)do s=e.input.charCodeAt(++e.position);while(!r(s)&&0!==s)}for(;0!==s;){for(b(e),e.lineIndent=0,s=e.input.charCodeAt(e.position);(!p||e.lineIndent<h)&&32===s;)e.lineIndent++,s=e.input.charCodeAt(++e.position);if(!p&&e.lineIndent>h&&(h=e.lineIndent),r(s))f++;else{if(e.lineIndent<h){l===X?e.result+=N.repeat("\n",c?1+f:f):l===G&&c&&(e.result+="\n");break}for(a?i(s)?(m=!0,e.result+=N.repeat("\n",c?1+f:f)):m?(m=!1,e.result+=N.repeat("\n",f+1)):0===f?c&&(e.result+=" "):e.result+=N.repeat("\n",f):e.result+=N.repeat("\n",c?1+f:f),c=!0,p=!0,f=0,n=e.position;!r(s)&&0!==s;)s=e.input.charCodeAt(++e.position);g(e,n,e.position,!1)}}return!0}function k(e,t){var n,r,i,o=e.tag,s=e.anchor,l=[],u=!1;for(null!==e.anchor&&(e.anchorMap[e.anchor]=l),i=e.input.charCodeAt(e.position);0!==i&&45===i&&(r=e.input.charCodeAt(e.position+1),a(r));)if(u=!0,e.position++,w(e,!0,-1)&&e.lineIndent<=t)l.push(null),i=e.input.charCodeAt(e.position);else if(n=e.line,L(e,t,W,!1,!0),l.push(e.result),w(e,!0,-1),i=e.input.charCodeAt(e.position),(e.line===n||e.lineIndent>t)&&0!==i)d(e,"bad indentation of a sequence entry");else if(e.lineIndent<t)break;return!!u&&(e.tag=o,e.anchor=s,e.kind="sequence",e.result=l,!0)}function T(e,t,n){var r,o,s,l,u=e.tag,c=e.anchor,p={},h={},f=null,m=null,g=null,y=!1,b=!1;for(null!==e.anchor&&(e.anchorMap[e.anchor]=p),l=e.input.charCodeAt(e.position);0!==l;){if(r=e.input.charCodeAt(e.position+1),s=e.line,63!==l&&58!==l||!a(r)){if(!L(e,n,J,!1,!0))break;if(e.line===s){for(l=e.input.charCodeAt(e.position);i(l);)l=e.input.charCodeAt(++e.position);if(58===l)l=e.input.charCodeAt(++e.position),a(l)||d(e,"a whitespace character is expected after the key-value separator within a block mapping"),y&&(v(e,p,h,f,m,null),f=m=g=null),b=!0,y=!1,o=!1,f=e.tag,m=e.result;else{if(!b)return e.tag=u,e.anchor=c,!0;d(e,"can not read an implicit mapping pair; a colon is missed")}}else{if(!b)return e.tag=u,e.anchor=c,!0;d(e,"can not read a block mapping entry; a multiline key may not be an implicit key")}}else 63===l?(y&&(v(e,p,h,f,m,null),f=m=g=null),b=!0,y=!0,o=!0):y?(y=!1,o=!0):d(e,"incomplete explicit mapping pair; a key node is missed"),e.position+=1,l=r;if((e.line===s||e.lineIndent>t)&&(L(e,t,Q,!0,o)&&(y?m=e.result:g=e.result),y||(v(e,p,h,f,m,g),f=m=g=null),w(e,!0,-1),l=e.input.charCodeAt(e.position)),e.lineIndent>t&&0!==l)d(e,"bad indentation of a mapping entry");else if(e.lineIndent<t)break}return y&&v(e,p,h,f,m,null),b&&(e.tag=u,e.anchor=c,e.kind="mapping",e.result=p),b}function C(e){var t,n,r,i,o=!1,s=!1;if(i=e.input.charCodeAt(e.position),33!==i)return!1;if(null!==e.tag&&d(e,"duplication of a tag property"),i=e.input.charCodeAt(++e.position),60===i?(o=!0,i=e.input.charCodeAt(++e.position)):33===i?(s=!0,n="!!",i=e.input.charCodeAt(++e.position)):n="!",t=e.position,o){do

i=e.input.charCodeAt(++e.position);while(0!==i&&62!==i);e.position<e.length?(r=e.input.slice(t,e.position),i=e.inp
ut.charCodeAt(++e.position)):d(e,"unexpected end of the stream within a verbatim
tag")}else{for(;0!==i&&!a(i);)33===i&&(s?d(e,"tag suffix cannot contain exclamation marks"):(n=e.input.slice(t-
1,e.position+1),ne.test(n)||d(e,"named tag handle cannot contain such
characters"),s=!0,t=e.position+1)),i=e.input.charCodeAt(++e.position);r=e.input.slice(t,e.position),te.test(r)&&d(e,"t
ag suffix cannot contain flow indicator characters")}return r&&!re.test(r)&&d(e,"tag name cannot contain such
characters:
"+r),o?e.tag=r:H.call(e.tagMap,n)?e.tag=e.tagMap[n]+r:"!"===n?e.tag="!"+r:"!!"===n?e.tag="tag:yaml.org,2002:"+
r:d(e,'undeclared tag handle "'+n+'"'),!0}function I(e){var
t,n;if(n=e.input.charCodeAt(e.position),38!==n)return!1;for(null!==e.anchor&&d(e,"duplication of an anchor
property"),n=e.input.charCodeAt(++e.position),t=e.position;0!==n&&!a(n)&&!o(n);)n=e.input.charCodeAt(++e.po
sition);return e.position===t&&d(e,"name of an anchor node must contain at least one
character"),e.anchor=e.input.slice(t,e.position),!0}function D(e){var
t,n,r;if(r=e.input.charCodeAt(e.position),42!==r)return!1;for(r=e.input.charCodeAt(++e.position),t=e.position;0!==r
&&!a(r)&&!o(r);)r=e.input.charCodeAt(++e.position);return e.position===t&&d(e,"name of an alias node must
contain at least one character"),n=e.input.slice(t,e.position),e.anchorMap.hasOwnProperty(n)||d(e,'unidentified alias
"'+n+'"'),e.result=e.anchorMap[n],w(e,!0,-1),!0}function L(e,t,n,r,i){var
a,o,s,l,u,c,p,h,f=1,m=!1,g=!1;if(null!==e.listener&&e.listener("open",e),e.tag=null,e.anchor=null,e.kind=null,e.result
=null,a=o=s=Q===n||W===n,r&&w(e,!0,-
1)&&(m=!0,e.lineIndent>t?f=1:e.lineIndent===t?f=0:e.lineIndent<t&&(f=-1)),1===f)for(;C(e)||I(e);)w(e,!0,-
1)?(m=!0,s=a,e.lineIndent>t?f=1:e.lineIndent===t?f=0:e.lineIndent<t&&(f=-
1)):s=!1;if(s&&(s=m||i),1!==f&&Q!==n||(p=Y===n||J===n?t:t+1,h=e.position-
e.lineStart,1===f?s&&(k(e,h)||T(e,h,p))||E(e,p)?g=!0:(o&&O(e,p)||S(e,p)||j(e,p)?g=!0:D(e)?(g=!0,null===e.tag&&n
ull===e.anchor||d(e,"alias node should not have any
properties")):A(e,p,Y===n)&&(g=!0,null===e.tag&&(e.tag="?")),null!==e.anchor&&(e.anchorMap[e.anchor]=e.re
sult)):0===f&&(g=s&&k(e,h))),null!==e.tag&&"!"!==e.tag)if("?"===e.tag){for(l=0,u=e.implicitTypes.length;l<u;l
+=1)if(c=e.implicitTypes[l],c.resolve(e.result)){e.result=c.construct(e.result),e.tag=c.tag,null!==e.anchor&&(e.anch
orMap[e.anchor]=e.result);break}}else
H.call(e.typeMap,e.tag)?(c=e.typeMap[e.tag],null!==e.result&&c.kind!==e.kind&&d(e,"unacceptable node kind for
!<"+e.tag+'> tag; it should be "'+c.kind+'", not
"'+e.kind+'"'),c.resolve(e.result)?(e.result=c.construct(e.result),null!==e.anchor&&(e.anchorMap[e.anchor]=e.result)
):d(e,"cannot resolve a node with !<"+e.tag+"> explicit tag")):d(e,"unknown tag !<"+e.tag+">");return
null!==e.listener&&e.listener("close",e),null!==e.tag||null!==e.anchor||g}function M(e){var
t,n,o,s,l=e.position,u=!1;for(e.version=null,e.checkLineBreaks=e.legacy,e.tagMap={},e.anchorMap={};0!==(s=e.in
put.charCodeAt(e.position))&&(w(e,!0,-
1),s=e.input.charCodeAt(e.position),!(e.lineIndent>0||37!==s));){for(u=!0,s=e.input.charCodeAt(++e.position),t=e.p
osition;0!==s&&!a(s);)s=e.input.charCodeAt(++e.position);for(n=e.input.slice(t,e.position),o=[],n.length<1&&d(e,"
directive name must not be less than one character in
length");0!==s;){for(;i(s);)s=e.input.charCodeAt(++e.position);if(35===s){do
s=e.input.charCodeAt(++e.position);while(0!==s&&!r(s));break}if(r(s))break;for(t=e.position;0!==s&&!a(s);)s=e.in
put.charCodeAt(++e.position);o.push(e.input.slice(t,e.position))}0!==s&&b(e),H.call(se,n)?se[n](e,n,o):m(e,'unkno
wn document directive "'+n+'"')}return w(e,!0,-
1),0===e.lineIndent&&45===e.input.charCodeAt(e.position)&&45===e.input.charCodeAt(e.position+1)&&45===
e.input.charCodeAt(e.position+2)?(e.position+=3,w(e,!0,-1)):u&&d(e,"directives end mark is
expected"),L(e,e.lineIndent-1,Q,!1,!0),w(e,!0,-
1),e.checkLineBreaks&&ee.test(e.input.slice(l,e.position))&&m(e,"non-ASCII line breaks are interpreted as
content"),e.documents.push(e.result),e.position===e.lineStart&&_(e)?void(46===e.input.charCodeAt(e.position)&
&(e.position+=3,w(e,!0,-1))):void(e.position<e.length-1&&d(e,"end of the stream or a document separator is

expected"))}function R(e,t){e=String(e),t=t||{},0!==e.length&&(10!==e.charCodeAt(e.length-1)&&13!==e.charCodeAt(e.length-1)&&(e+="\n"),65279===e.charCodeAt(0)&&(e=e.slice(1)));var n=new h(e,t);for(n.input+="\0";32===n.input.charCodeAt(n.position);)n.lineIndent+=1,n.position+=1;for(;n.position<n.length-1;)M(n);return n.documents}function U(e,t,n){var r,i,a=R(e,n);for(r=0,i=a.length;r<i;r+=1)t(a[r])}function P(e,t){var n=R(e,t);if(0!==n.length){if(1===n.length)return n[0];throw new z("expected a single document in the stream, but found more")}}function q(e,t,n){U(e,t,N.extend({schema:F},n))}function B(e,t){return P(e,N.extend({schema:F},t))}for(var N=e("./common"),z=e("./exception"),$=e("./mark"),F=e("./schema/default_safe"),V=e("./schema/default_full"),H=Object.prototype.hasOwnProperty,Y=1,J=2,W=3,Q=4,G=1,K=2,X=3,Z=/[\x00-\x08\x0B\x0C\x0E-\x1F\x7F-\x84\x86-\x9F\uFFFE\uFFFF]|[\uD800-\uDBFF](?![\uDC00-\uDFFF])|(?:[^\uD800-\uDBFF]|^)[\uDC00-\uDFFF]/,ee=/[\x85\u2028\u2029]/,te=/[,\[\]\{\}]/,ne=/^(?:!|!!|![a-z\-]+!)$/i,re=/^(?:!|[^,\[\]\{\}])(?:%[0-9a-f]{2}|[0-9a-z\-#;\/\?:@&=\+\$,_\.!~*'\(\)\[\]])*$/i,ie=new Array(256),ae=new Array(256),oe=0;oe<256;oe++)ie[oe]=c(oe)?1:0,ae[oe]=c(oe);var se={YAML:function(e,t,n){var r,i,a;null!==e.version&&d(e,"duplication of %YAML directive"),1!==n.length&&d(e,"YAML directive accepts exactly one argument"),r=/^([0-9]+)\.([0-9]+)$/.exec(n[0]),null===r&&d(e,"ill-formed argument of the YAML directive"),i=parseInt(r[1],10),a=parseInt(r[2],10),1!==i&&d(e,"unacceptable YAML version of the document"),e.version=n[0],e.checkLineBreaks=a<2,1!==a&&2!==a&&m(e,"unsupported YAML version of the document")},TAG:function(e,t,n){var r,i;2!==n.length&&d(e,"TAG directive accepts exactly two arguments"),r=n[0],i=n[1],ne.test(r)||d(e,"ill-formed tag handle (first argument) of the TAG directive"),H.call(e.tagMap,r)&&d(e,'there is a previously declared suffix for "'+r+'" tag handle'),re.test(i)||d(e,"ill-formed tag prefix (second argument) of the TAG directive"),e.tagMap[r]=i}};t.exports.loadAll=U,t.exports.load=P,t.exports.safeLoadAll=q,t.exports.safeLoad=B},{"./common":21,"./exception":23,"./mark":25,"./schema/default_full":28,"./schema/default_safe":29}],25:[function(e,t,n){"use strict";function r(e,t,n,r,i){this.name=e,this.buffer=t,this.position=n,this.line=r,this.column=i}var i=e("./common");r.prototype.getSnippet=function(e,t){var n,r,a,o,s;if(!this.buffer)return null;for(e=e||4,t=t||75,n="",r=this.position;r>0&&"\0\r\n\u2028\u2029".indexOf(this.buffer.charAt(r-1))===-1;)if(r-=1,this.position-r>t/2-1){n=" ... ",r+=5;break}for(a="",o=this.position;o<this.buffer.length&&"\0\r\n\u2028\u2029".indexOf(this.buffer.charAt(o))===-1;)if(o+=1,o-this.position>t/2-1){a=" ... ",o-=5;break}return s=this.buffer.slice(r,o),i.repeat(" ",e)+n+s+a+"\n"+i.repeat(" ",e+this.position-r+n.length)+"^"},r.prototype.toString=function(e){var t,n="";return this.name&&(n+='in "'+this.name+'" '),n+="at line "+(this.line+1)+", column "+(this.column+1),e||(t=this.getSnippet(),t&&(n+=":\n"+t)),n},t.exports=r},{"./common":21}],26:[function(e,t,n){"use strict";function r(e,t,n){var i=[];return e.include.forEach(function(e){n=r(e,t,n)}),e[t].forEach(function(e){n.forEach(function(t,n){t.tag===e.tag&&i.push(n)}),n.push(e)}),n.filter(function(e,t){return i.indexOf(t)===-1})}function i(){function e(e){r[e.tag]=e}var t,n,r={};for(t=0,n=arguments.length;t<n;t+=1)arguments[t].forEach(e);return r}function a(e){this.include=e.include||[],this.implicit=e.implicit||[],this.explicit=e.explicit||[],this.implicit.forEach(function(e){if(e.loadKind&&"scalar"!==e.loadKind)throw new s("There is a non-scalar type in the implicit list of a schema. Implicit resolving of such types is not supported.")}),this.compiledImplicit=r(this,"implicit",[]),this.compiledExplicit=r(this,"explicit",[]),this.compiledTypeMap=i(this.compiledImplicit,this.compiledExplicit)}var o=e("./common"),s=e("./exception"),l=e("./type");a.DEFAULT=null,a.create=function(){var e,t;switch(arguments.length){case 1:e=a.DEFAULT,t=arguments[0];break;case 2:e=arguments[0],t=arguments[1];break;default:throw new s("Wrong number of arguments for Schema.create function")}if(e=o.toArray(e),t=o.toArray(t),!e.every(function(e){return e instanceof a}))throw new s("Specified list of super schemas (or a single Schema object) contains a non-Schema object.");if(!t.every(function(e){return e instanceof l}))throw new s("Specified list of YAML types (or a single Type object) contains a non-Type object.");return new

a({include:e,explicit:t})},t.exports=a},{"./common":21,"./exception":23,"./type":32}],27:[function(e,t,n){"use strict";var r=e("../schema");t.exports=new

r({include:[e("./json")]})},{"../schema":26,"./json":31}],28:[function(e,t,n){"use strict";var r=e("../schema");t.exports=r.DEFAULT=new

r({include:[e("./default_safe")],explicit:[e("../type/js/undefined"),e("../type/js/regexp"),e("../type/js/function")]})},{"../schema":26,"../type/js/function":37,"../type/js/regexp":38,"../type/js/undefined":39,"./default_safe":29}],29:[functio
n(e,t,n){"use strict";var r=e("../schema");t.exports=new

r({include:[e("./core")],implicit:[e("../type/timestamp"),e("../type/merge")],explicit:[e("../type/binary"),e("../type/om
ap"),e("../type/pairs"),e("../type/set")]})},{"../schema":26,"../type/binary":33,"../type/merge":41,"../type/omap":43,"..
/type/pairs":44,"../type/set":46,"../type/timestamp":48,"./core":27}],30:[function(e,t,n){"use strict";var
r=e("../schema");t.exports=new

r({explicit:[e("../type/str"),e("../type/seq"),e("../type/map")]})},{"../schema":26,"../type/map":40,"../type/seq":45,"../t
ype/str":47}],31:[function(e,t,n){"use strict";var r=e("../schema");t.exports=new

r({include:[e("./failsafe")],implicit:[e("../type/null"),e("../type/bool"),e("../type/int"),e("../type/float")]})},{"../schema
":26,"../type/bool":34,"../type/float":35,"../type/int":36,"../type/null":42,"./failsafe":30}],32:[function(e,t,n){"use
strict";function r(e){var t={};return

null!==e&&Object.keys(e).forEach(function(n){e[n].forEach(function(e){t[String(e)]=n})}),t}function
i(e,t){if(t=t||{},Object.keys(t).forEach(function(t){if(o.indexOf(t)===-1)throw new a('Unknown option "'+t+'" is met
in definition of "'+e+'" YAML

type.')})),this.tag=e,this.kind=t.kind||null,this.resolve=t.resolve||function(){return!0},this.construct=t.construct||functi
on(e){return

e},this.instanceOf=t.instanceOf||null,this.predicate=t.predicate||null,this.represent=t.represent||null,this.defaultStyle=
t.defaultStyle||null,this.styleAliases=r(t.styleAliases||null),s.indexOf(this.kind)===-1)throw new a('Unknown kind
"'+this.kind+'" is specified for "'+e+'" YAML type.')}var

a=e("./exception"),o=["kind","resolve","construct","instanceOf","predicate","represent","defaultStyle","styleAliases
"],s=["scalar","sequence","mapping"];t.exports=i},{"./exception":23}],33:[function(e,t,n){"use strict";function
r(e){if(null===e)return!1;var

t,n,r=0,i=e.length,a=p;for(n=0;n<i;n++)if(t=a.indexOf(e.charAt(n)),!(t>64)){if(t<0)return!1;r+=6}return
r%8===0}function i(e){var

t,n,r=e.replace(/[\r\n=]/g,""),i=r.length,a=p,o=0,l=[];for(t=0;t<i;t++)t%4===0&&t&&(l.push(o>>16&255),l.push(o>
>8&255),l.push(255&o)),o=o<<6|a.indexOf(r.charAt(t));
return

n=i%4*6,0===n?(l.push(o>>16&255),l.push(o>>8&255),l.push(255&o)):18===n?(l.push(o>>10&255),l.push(o>>
2&255)):12===n&&l.push(o>>4&255),s?new s(l):l}function a(e){var

t,n,r="",i=0,a=e.length,o=p;for(t=0;t<a;t++)t%3===0&&t&&(r+=o[i>>18&63],r+=o[i>>12&63],r+=o[i>>6&63],r+
=o[63&i]),i=(i<<8)+e[t];return

n=a%3,0===n?(r+=o[i>>18&63],r+=o[i>>12&63],r+=o[i>>6&63],r+=o[63&i]):2===n?(r+=o[i>>10&63],r+=o[i>>
4&63],r+=o[i<<2&63],r+=o[64]):1===n&&(r+=o[i>>2&63],r+=o[i<<4&63],r+=o[64],r+=o[64]),r}function
o(e){return s&&s.isBuffer(e)}var s;try{var l=e;s=l("buffer").Buffer}catch(u){}var
c=e("../type"),p="ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/=\n\r";t.ex
ports=new

c("tag:yaml.org,2002:binary",{kind:"scalar",resolve:r,construct:i,predicate:o,represent:a})},{"../type":32}],34:[funct
ion(e,t,n){"use strict";function r(e){if(null===e)return!1;var t=e.length;return

4===t&&("true"===e||"True"===e||"TRUE"===e)||5===t&&("false"===e||"False"===e||"FALSE"===e)}function
i(e){return"true"===e||"True"===e||"TRUE"===e}function a(e){return"[object

Boolean]"===Object.prototype.toString.call(e)}var o=e("../type");t.exports=new

o("tag:yaml.org,2002:bool",{kind:"scalar",resolve:r,construct:i,predicate:a,represent:{lowercase:function(e){return
e?"true":"false"},uppercase:function(e){return e?"TRUE":"FALSE"},camelcase:function(e){return

e?"True":"False"}},defaultStyle:"lowercase"})},{"../type":32}],35:[function(e,t,n){"use strict";function r(e){return null!==e&&!!u.test(e)}function i(e){var t,n,r,i;return t=e.replace(/_/g,"").toLowerCase(),n="-"===t[0]?-1:1,i=[],"+-".indexOf(t[0])>=0&&(t=t.slice(1)),".inf"===t?1===n?Number.POSITIVE_INFINITY:Number.NEGATIVE_INFINITY:".nan"===t?NaN:t.indexOf(":")>=0?(t.split(":").forEach(function(e){i.unshift(parseFloat(e,10))}),t=0,r=1,i.forEach(function(e){t+=e*r,r*=60}),n*t):n*parseFloat(t,10)}function a(e,t){var n;if(isNaN(e))switch(t){case"lowercase":return".nan";case"uppercase":return".NAN";case"camelcase":return".NaN"}else if(Number.POSITIVE_INFINITY===e)switch(t){case"lowercase":return".inf";case"uppercase":return".INF";case"camelcase":return".Inf"}else if(Number.NEGATIVE_INFINITY===e)switch(t){case"lowercase":return"-.inf";case"uppercase":return"-.INF";case"camelcase":return"-.Inf"}else if(s.isNegativeZero(e))return"-0.0";return n=e.toString(10),c.test(n)?n.replace("e",".e"):n}function o(e){return"[object Number]"===Object.prototype.toString.call(e)&&(e%1!==0||s.isNegativeZero(e))}var s=e("../common"),l=e("../type"),u=new RegExp("^(?:[-+]?(?:[0-9][0-9_]*)\\.[0-9_]*(?:[eE][-+][0-9]+)?|\\.[0-9_]+(?:[eE][-+][0-9]+)?|[-+]?[0-9][0-9_]*(?::[0-5]?[0-9])+\\.[0-9_]*|[-+]?\\.(?:inf|Inf|INF)|\\.(?:nan|NaN|NAN))$"),c=/^[-+]?[0-9]+e/;t.exports=new l("tag:yaml.org,2002:float",{kind:"scalar",resolve:r,construct:i,predicate:o,represent:a,defaultStyle:"lowercase"})},{"../common":21,"../type":32}],36:[function(e,t,n){"use strict";function r(e){return 48<=e&&e<=57||65<=e&&e<=70||97<=e&&e<=102}function i(e){return 48<=e&&e<=55}function a(e){return 48<=e&&e<=57}function o(e){if(null===e)return!1;var t,n=e.length,o=0,s=!1;if(!n)return!1;if(t=e[o],"-"==t&&"+"==t||(t=e[++o]),"0"===t){if(o+1===n)return!0;if(t=e[++o],"b"===t){for(o++;o<n;o++)if(t=e[o],"_"!==t){if("0"!==t&&"1"!==t)return!1;s=!0}return s}if("x"===t){for(o++;o<n;o++)if(t=e[o],"_"!==t){if(!r(e.charCodeAt(o)))return!1;s=!0}return s}for(;o<n;o++)if(t=e[o],"_"!==t){if(!i(e.charCodeAt(o)))return!1;s=!0}return s}for(;o<n;o++)if(t=e[o],"_"!==t){if(":"===t)break;if(!a(e.charCodeAt(o)))return!1;s=!0}return!!s&&(":"!==t||/^(:[0-5]?[0-9])+$/.test(e.slice(o)))}function s(e){var t,n,r=e,i=1,a=[];return r.indexOf("_")!==-1&&(r=r.replace(/_/g,"")),t=r[0],"-"!==t&&"+"!==t||("-"===t&&(i=-1),r=r.slice(1),t=r[0]),"0"===r?0:"0"===t?"b"===r[1]?i*parseInt(r.slice(2),2):"x"===r[1]?i*parseInt(r,16):i*parseInt(r,8):r.indexOf(":")!==-1?(r.split(":").forEach(function(e){a.unshift(parseInt(e,10))}),r=0,n=1,a.forEach(function(e){r+=e*n,n*=60}),i*r):i*parseInt(r,10)}function l(e){return"[object Number]"===Object.prototype.toString.call(e)&&e%1===0&&!u.isNegativeZero(e)}var u=e("../common"),c=e("../type");t.exports=new c("tag:yaml.org,2002:int",{kind:"scalar",resolve:o,construct:s,predicate:l,represent:{binary:function(e){return"0b"+e.toString(2)},octal:function(e){return"0"+e.toString(8)},decimal:function(e){return e.toString(10)},hexadecimal:function(e){return"0x"+e.toString(16).toUpperCase()}},defaultStyle:"decimal",styleAliases:{binary:[2,"bin"],octal:[8,"oct"],decimal:[10,"dec"],hexadecimal:[16,"hex"]}})},{"../common":21,"../type":32}],37:[function(e,t,n){"use strict";function r(e){if(null===e)return!1;try{var t="("+e+")",n=s.parse(t,{range:!0});return"Program"===n.type&&1===n.body.length&&"ExpressionStatement"===n.body[0].type&&"FunctionExpression"===n.body[0].expression.type}catch(r){return!1}}function i(e){var t,n="("+e+")",r=s.parse(n,{range:!0}),i=[];if("Program"!==r.type||1!==r.body.length||"ExpressionStatement"!==r.body[0].type||"FunctionExpression"!==r.body[0].expression.type)throw new Error("Failed to resolve function");return r.body[0].expression.params.forEach(function(e){i.push(e.name)}),t=r.body[0].expression.body.range,new Function(i,n.slice(t[0]+1,t[1]-1))}function a(e){return e.toString()}function o(e){return"[object Function]"===Object.prototype.toString.call(e)}var s;try{var l=e;s=l("esprima")}catch(u){"undefined"!=typeof window&&(s=window.esprima)}var c=e("../../type");t.exports=new c("tag:yaml.org,2002:js/function",{kind:"scalar",resolve:r,construct:i,predicate:o,represent:a})},{"../../type":32}],38:[function(e,t,n){"use strict";function r(e){if(null===e)return!1;if(0===e.length)return!1;var t=e,n=/\/([gim]*)$/.exec(e),r="";if("/"===t[0]){if(n&&(r=n[1]),r.length>3)return!1;if("/"!==t[t.length-r.length-

1])return!1}return!0}function i(e){var t=e,n=/\/([gim]*)\$/.exec(e),r="";return"/"===t[0]&&(n&&(r=n[1]),t=t.slice(1,t.length-r.length-1)),new RegExp(t,r)}function a(e){var t="/"+e.source+"/";return e.global&&(t+="g"),e.multiline&&(t+="m"),e.ignoreCase&&(t+="i"),t}function o(e){return"[object RegExp]"===Object.prototype.toString.call(e)}var s=e("../../type");t.exports=new s("tag:yaml.org,2002:js/regexp",{kind:"scalar",resolve:r,construct:i,predicate:o,represent:a})},{"../../type":32}],39:[function(e,t,n){"use strict";function r(){return!0}function i(){}function a(){return""}function o(e){return"undefined"==typeof e}var s=e("../../type");t.exports=new s("tag:yaml.org,2002:js/undefined",{kind:"scalar",resolve:r,construct:i,predicate:o,represent:a})},{"../../type":32}],40:[function(e,t,n){"use strict";var r=e("../type");t.exports=new r("tag:yaml.org,2002:map",{kind:"mapping",construct:function(e){return null!==e?e:{}}})},{"../type":32}],41:[function(e,t,n){"use strict";function r(e){return"<<"===e||null===e}var i=e("../type");t.exports=new i("tag:yaml.org,2002:merge",{kind:"scalar",resolve:r})},{"../type":32}],42:[function(e,t,n){"use strict";function r(e){if(null===e)return!0;var t=e.length;return 1===t&&"~"===e||4===t&&("null"===e||"Null"===e||"NULL"===e)}function i(){return null}function a(e){return null===e}var o=e("../type");t.exports=new o("tag:yaml.org,2002:null",{kind:"scalar",resolve:r,construct:i,predicate:a,represent:{canonical:function(){return"~"},lowercase:function(){return"null"},uppercase:function(){return"NULL"},camelcase:function(){return"Null"}},defaultStyle:"lowercase"})},{"../type":32}],43:[function(e,t,n){"use strict";function r(e){if(null===e)return!0;var t,n,r,i,a,l=[],u=e;for(t=0,n=u.length;t<n;t+=1){if(r=u[t],a=!1,"[object Object]"!==s.call(r))return!1;for(i in r)if(o.call(r,i)){if(a)return!1;a=!0}if(!a)return!1;if(l.indexOf(i)!==-1)return!1;l.push(i)}return!0}function i(e){return null!==e?e:[]}var a=e("../type"),o=Object.prototype.hasOwnProperty,s=Object.prototype.toString;t.exports=new a("tag:yaml.org,2002:omap",{kind:"sequence",resolve:r,construct:i})},{"../type":32}],44:[function(e,t,n){"use strict";function r(e){if(null===e)return!0;var t,n,r,i,a,s=e;for(a=new Array(s.length),t=0,n=s.length;t<n;t+=1){if(r=s[t],"[object Object]"!==o.call(r))return!1;if(i=Object.keys(r),1!==i.length)return!1;a[t]=[i[0],r[i[0]]]}return!0}function i(e){if(null===e)return[];var t,n,r,i,a,o=e;for(a=new Array(o.length),t=0,n=o.length;t<n;t+=1)r=o[t],i=Object.keys(r),a[t]=[i[0],r[i[0]]];return a}var a=e("../type"),o=Object.prototype.toString;t.exports=new a("tag:yaml.org,2002:pairs",{kind:"sequence",resolve:r,construct:i})},{"../type":32}],45:[function(e,t,n){"use strict";var r=e("../type");t.exports=new r("tag:yaml.org,2002:seq",{kind:"sequence",construct:function(e){return null!==e?e:[]}})},{"../type":32}],46:[function(e,t,n){"use strict";function r(e){if(null===e)return!0;var t,n=e;for(t in n)if(o.call(n,t)&&null!==n[t])return!1;return!0}function i(e){return null!==e?e:{}}var a=e("../type"),o=Object.prototype.hasOwnProperty;t.exports=new a("tag:yaml.org,2002:set",{kind:"mapping",resolve:r,construct:i})},{"../type":32}],47:[function(e,t,n){"use strict";var r=e("../type");t.exports=new r("tag:yaml.org,2002:str",{kind:"scalar",construct:function(e){return null!==e?e:""}})},{"../type":32}],48:[function(e,t,n){"use strict";function r(e){return null!==e&&(null!==s.exec(e)||null!==l.exec(e))}function i(e){var t,n,r,i,a,o,u,c,p,h,f=0,d=null;if(t=s.exec(e),null===t&&(t=l.exec(e)),null===t)throw new Error("Date resolve error");if(n=+t[1],r=+t[2]-1,i=+t[3],!t[4])return new Date(Date.UTC(n,r,i));if(a=+t[4],o=+t[5],u=+t[6],t[7]){for(f=t[7].slice(0,3);f.length<3;)f+="0";f=+f}return t[9]&&(c=+t[10],p=+(t[11]||0),d=6e4*(60*c+p),"-"===t[9]&&(d=-d)),h=new Date(Date.UTC(n,r,i,a,o,u,f)),d&&h.setTime(h.getTime()-d),h}function a(e){return e.toISOString()}var o=e("../type"),s=new RegExp("^([0-9][0-9][0-9][0-9])-([0-9][0-9])-([0-9][0-9])$"),l=new RegExp("^([0-9][0-9][0-9][0-9])-([0-9][0-9]?)-([0-9][0-9]?)(?:[Tt]|[\\t]+)([0-9][0-9]?):([0-9][0-9]):([0-9][0-9])(?:\\.([0-9]*))?(?:[\\t]*(Z|([-+])([0-9][0-9]?)(?::([0-9][0-9]))?))?$");t.exports=new o("tag:yaml.org,2002:timestamp",{kind:"scalar",resolve:r,construct:i,instanceOf:Date,represent:a})},{"../type":32}],

49:[function(e,t,n){function r(e,t,n){var r=e?e.length:0;if(!r)return-1;if("number"==typeof n)n=n<0?o(r+n,0):n;else if(n){var s=a(e,t);return s<r&&(t===t?t===e[s]:e[s]!==e[s])?s:-1}return i(e,t,n||0)}var i=e("../internal/baseIndexOf"),a=e("../internal/binaryIndex"),o=Math.max;t.exports=r},{"../internal/baseIndexOf":78 ,"../internal/binaryIndex":92}],50:[function(e,t,n){function r(e){var t=e?e.length:0;return t?e[t-1]:void 0}t.exports=r},{}],51:[function(e,t,n){function r(e){if(l(e)&&!s(e)&&!(e instanceof i)){if(e instanceof a)return e;if(p.call(e,"__chain__")&&p.call(e,"__wrapped__"))return u(e)}return new a(e)}var i=e("../internal/LazyWrapper"),a=e("../internal/LodashWrapper"),o=e("../internal/baseLodash"),s=e("../lang/isArray"),l=e("../internal/isObjectLike"),u=e("../internal/wrapperClone"),c=Object.prototype,p=c.hasOwnProperty;r.prototyp e=o.prototype,t.exports=r},{"../internal/LazyWrapper":60,"../internal/LodashWrapper":61,"../internal/baseLodash":8 2,"../internal/isObjectLike":126,"../internal/wrapperClone":137,"../lang/isArray":140}],52:[function(e,t,n){t.exports= e("./forEach")},{"./forEach":54}],53:[function(e,t,n){var r=e("../internal/baseEach"),i=e("../internal/createFind"),a=i(r);t.exports=a},{"../internal/baseEach":71,"../internal/cre ateFind":102}],54:[function(e,t,n){var r=e("../internal/arrayEach"),i=e("../internal/baseEach"),a=e("../internal/createForEach"),o=a(r,i);t.exports=o},{"../int ernal/arrayEach":63,"../internal/baseEach":71,"../internal/createForEach":103}],55:[function(e,t,n){function r(e,t,n,r){var h=e?a(e):0;return l(h)||(e=c(e),h=e.length),n="number"!=typeof n||r&&s(t,n,r)?0:n<0?p(h+n,0):n||0,"string"==typeof e||!o(e)&&u(e)?n<=h&&e.indexOf(t,n)>-1:!!h&&i(e,t,n)>- 1}var i=e("../internal/baseIndexOf"),a=e("../internal/getLength"),o=e("../lang/isArray"),s=e("../internal/isIterateeCall"),l=e("../internal/isLength"),u=e("../lang/isString"),c=e("../object/values"),p=Math.max;t.exports=r},{"../internal/baseInde xOf":78,"../internal/getLength":112,"../internal/isIterateeCall":122,"../internal/isLength":125,"../lang/isArray":140,".. /lang/isString":146,"../object/values":152}],56:[function(e,t,n){function r(e,t,n){var r=s(e)?i:o;return t=a(t,n,3),r(e,t)}var i=e("../internal/arrayMap"),a=e("../internal/baseCallback"),o=e("../internal/baseMap"),s=e("../lang/isArray");t.export s=r},{"../internal/arrayMap":64,"../internal/baseCallback":67,"../internal/baseMap":83,"../lang/isArray":140}],57:[fu nction(e,t,n){var r=e("../internal/getNative"),i=r(Date,"now"),a=i||function(){return(new Date).getTime()};t.exports=a},{"../internal/getNative":114}],58:[function(e,t,n){var r=e("../internal/createWrapper"),i=e("../internal/replaceHolders"),a=e("./restParam"),o=1,s=32,l=a(function(e,t,n){va r a=o;if(n.length){var u=i(n,l.placeholder);a|=s}return r(e,a,t,n,u)});l.placeholder={},t.exports=l},{"../internal/createWrapper":106,"../internal/replaceHolders":132,"./restP aram":59}],59:[function(e,t,n){function r(e,t){if("function"!=typeof e)throw new TypeError(i);return t=a(void 0===t?e.length-1:+t||0,0),function(){for(var n=arguments,r=-1,i=a(n.length- t,0),o=Array(i);++r<i;)o[r]=n[t+r];switch(t){case 0:return e.call(this,o);case 1:return e.call(this,n[0],o);case 2:return e.call(this,n[0],n[1],o)}var s=Array(t+1);for(r=-1;++r<t;)s[r]=n[r];return s[t]=o,e.apply(this,s)}}var i="Expected a function",a=Math.max;t.exports=r},{}],60:[function(e,t,n){function r(e){this.__wrapped__=e,this.__actions__=[],this.__dir__=1,this.__filtered__=!1,this.__iteratees__=[],this.__takeCo unt__=o,this.__views__=[]}var i=e("./baseCreate"),a=e("./baseLodash"),o=Number.POSITIVE_INFINITY;r.prototype=i(a.prototype),r.prototype.c onstructor=r,t.exports=r},{"./baseCreate":70,"./baseLodash":82}],61:[function(e,t,n){function r(e,t,n){this.__wrapped__=e,this.__actions__=n||[],this.__chain__=!!t}var i=e("./baseCreate"),a=e("./baseLodash");r.prototype=i(a.prototype),r.prototype.constructor=r,t.exports=r},{"./baseCr eate":70,"./baseLodash":82}],62:[function(e,t,n){function r(e,t){var n=- 1,r=e.length;for(t||(t=Array(r));++n<r;)t[n]=e[n];return t}t.exports=r},{}],63:[function(e,t,n){function r(e,t){for(var n=-1,r=e.length;++n<r&&t(e[n],n,e)!==!1;);return e}t.exports=r},{}],64:[function(e,t,n){function r(e,t){for(var n=- 1,r=e.length,i=Array(r);++n<r;)i[n]=t(e[n],n,e);return i}t.exports=r},{}],65:[function(e,t,n){function r(e,t){for(var n=-1,r=e.length;++n<r;)if(t(e[n],n,e))return!0;return!1}t.exports=r},{}],66:[function(e,t,n){function r(e,t){return null==t?e:i(t,a(t),e)}var i=e("./baseCopy"),a=e("../object/keys");t.exports=r},{"../object/keys":149,"./baseCopy":69}],67:[function(e,t,n){fun

ction r(e,t,n){var r=typeof e;return"function"==r?void 0===t?e:o(e,t,n):null==e?s:"object"==r?i(e):void 0===t?l(e):a(e,t)}var

i=e("./baseMatches"),a=e("./baseMatchesProperty"),o=e("./bindCallback"),s=e("../utility/identity"),l=e("../utility/property");t.exports=r},{"../utility/identity":154,"../utility/property":156,"./baseMatches":84,"./baseMatchesProperty":85,"./bindCallback":94}],68:[function(e,t,n){function r(e,t,n,m,g,y,v){var w;if(n&&(w=g?n(e,m,g):n(e)),void 0!==w)return w;if(!f(e))return e;var _=p(e);if(_){if(w=l(e),!t)return i(e,w)}else{var A=B.call(e),S=A==b;if(A!=x&&A!=d&&(!S||g))return P[A]?u(e,A,t):g?e:{};if(h(e))return g?e:{};if(w=c(S?{}:e),!t)return o(w,e)}y||(y=[]),v||(v=[]);for(var j=y.length;j--;)if(y[j]==e)return v[j];return y.push(e),v.push(w),(_?a:s)(e,function(i,a){w[a]=r(i,t,n,a,e,y,v)}),w}var

i=e("./arrayCopy"),a=e("./arrayEach"),o=e("./baseAssign"),s=e("./baseForOwn"),l=e("./initCloneArray"),u=e("./initCloneByTag"),c=e("./initCloneObject"),p=e("../lang/isArray"),h=e("./isHostObject"),f=e("../lang/isObject"),d="[object Arguments]",m="[object Array]",g="[object Boolean]",y="[object Date]",v="[object Error]",b="[object Function]",w="[object Map]",_="[object Number]",x="[object Object]",A="[object RegExp]",S="[object Set]",j="[object String]",E="[object WeakMap]",O="[object ArrayBuffer]",k="[object Float32Array]",T="[object Float64Array]",C="[object Int8Array]",I="[object Int16Array]",D="[object Int32Array]",L="[object Uint8Array]",M="[object Uint8ClampedArray]",R="[object Uint16Array]",U="[object Uint32Array]",P={};P[d]=P[m]=P[O]=P[g]=P[y]=P[k]=P[T]=P[C]=P[I]=P[D]=P[_]=P[x]=P[A]=P[j]=P[L]=P[M]=P[R]=P[U]=!0,P[v]=P[b]=P[w]=P[S]=P[E]=!1;var

q=Object.prototype,B=q.toString;t.exports=r},{"../lang/isArray":140,"../lang/isObject":144,"./arrayCopy":62,"./arrayEach":63,"./baseAssign":66,"./baseForOwn":76,"./initCloneArray":116,"./initCloneByTag":117,"./initCloneObject":118,"./isHostObject":120}],69:[function(e,t,n){function r(e,t,n){n||(n={});for(var r=-1,i=t.length;++r<i;){var a=t[r];n[a]=e[a]}return n}t.exports=r},{}],70:[function(e,t,n){var r=e("../lang/isObject"),i=function(){function e(){}return function(t){if(r(t)){e.prototype=t;var n=new e;e.prototype=void 0}return n||{}}}();t.exports=i},{"../lang/isObject":144}],71:[function(e,t,n){var r=e("./baseForOwn"),i=e("./createBaseEach"),a=i(r);t.exports=a},{"./baseForOwn":76,"./createBaseEach":98}],72:[function(e,t,n){function r(e,t,n,r){var i;return n(e,function(e,n,a){if(t(e,n,a))return i=r?n:e,!1}),i}t.exports=r},{}],73:[function(e,t,n){function r(e,t,n){for(var r=e.length,i=n?r:-1;n?i--:++i<r;)if(t(e[i],i,e))return i;return-1}t.exports=r},{}],74:[function(e,t,n){var r=e("./createBaseFor"),i=r();t.exports=i},{"./createBaseFor":99}],75:[function(e,t,n){function r(e,t){return i(e,t,a)}var

i=e("./baseFor"),a=e("../object/keysIn");t.exports=r},{"../object/keysIn":150,"./baseFor":74}],76:[function(e,t,n){function r(e,t){return i(e,t,a)}var

i=e("./baseFor"),a=e("../object/keys");t.exports=r},{"../object/keys":149,"./baseFor":74}],77:[function(e,t,n){function r(e,t,n){if(null!=e){e=i(e),void 0!==n&&n in e&&(t=[n]);for(var r=0,a=t.length;null!=e&&r<a;)e=i(e)[t[r++]];return r&&r==a?e:void 0}}var

i=e("./toObject");t.exports=r},{"./toObject":135}],78:[function(e,t,n){function r(e,t,n){if(t!==t)return i(e,n);for(var r=n-1,a=e.length;++r<a;)if(e[r]===t)return r;return-1}var

i=e("./indexOfNaN");t.exports=r},{"./indexOfNaN":115}],79:[function(e,t,n){function r(e,t,n,s,l,u){return e===t||(null==e||null==t||!a(e)&&!o(t)?e!==e&&t!==t:i(e,t,r,n,s,l,u))}var

i=e("./baseIsEqualDeep"),a=e("../lang/isObject"),o=e("./isObjectLike");t.exports=r},{"../lang/isObject":144,"./baseIsEqualDeep":80,"./isObjectLike":126}],80:[function(e,t,n){function r(e,t,n,r,f,g,y){var

v=s(e),b=s(t),w=p,_=p;v||(w=m.call(e),w==c?w=h:w!=h&&(v=u(e))),b||(_=m.call(t),_==c?_=h:_!=h&&(b=u(t)));var x=w==h&&!l(e),A=_==h&&!l(t),S=w==_;if(S&&!v&&!x)return a(e,t,w);if(!f){var j=x&&d.call(e,"__wrapped__"),E=A&&d.call(t,"__wrapped__");if(j||E)return n(j?e.value():e,E?t.value():t,r,f,g,y)}if(!S)return!1;g||(g=[]),y||(y=[]);for(var O=g.length;O--;)if(g[O]==e)return y[O]==t;g.push(e),y.push(t);var k=(v?i:o)(e,t,n,r,f,g,y);return g.pop(),y.pop(),k}var

i=e("./equalArrays"),a=e("./equalByTag"),o=e("./equalObjects"),s=e("../lang/isArray"),l=e("./isHostObject"),u=e("../lang/isTypedArray"),c="[object Arguments]",p="[object Array]",h="[object

Object]",f=Object.prototype,d=f.hasOwnProperty,m=f.toString;t.exports=r},{"../lang/isArray":140,"../lang/isTyped Array":147,"./equalArrays":107,"./equalByTag":108,"./equalObjects":109,"./isHostObject":120}],81:[function(e,t,n) {function r(e,t,n){var r=t.length,o=r,s=!n;if(null==e)return!o;for(e=a(e);r--;){var l=t[r];if(s&&l[2]?l[1]!==e[l[0]]:!(l[0]in e))return!1}for(;++r<o;){l=t[r];var u=l[0],c=e[u],p=l[1];if(s&&l[2]){if(void 0===c&&!(u in e))return!1}else{var h=n?n(c,p,u):void 0;if(!(void 0===h?i(p,c,n,!0):h))return!1}}return!0}var i=e("./baseIsEqual"),a=e("./toObject");t.exports=r},{"./baseIsEqual":79,"./toObject":135}],82:[function(e,t,n){functi on r(){}t.exports=r},{}],83:[function(e,t,n){function r(e,t){var n=-1,r=a(e)?Array(e.length):[];return i(e,function(e,i,a){r[++n]=t(e,i,a)}),r}var i=e("./baseEach"),a=e("./isArrayLike");t.exports=r},{"./baseEach":71,"./isArrayLike":119}],84:[function(e,t,n){func tion r(e){var t=a(e);if(1==t.length&&t[0][2]){var n=t[0][0],r=t[0][1];return function(e){return null!=e&&(e=o(e),e[n]===r&&(void 0!==r||n in e))}}return function(e){return i(e,t)}}var i=e("./baseIsMatch"),a=e("./getMatchData"),o=e("./toObject");t.exports=r},{"./baseIsMatch":81,"./getMatchData":1 13,"./toObject":135}],85:[function(e,t,n){function r(e,t){var n=s(e),r=l(e)&&u(t),f=e+"";return e=h(e),function(s){if(null==s)return!1;var l=f;if(s=p(s),(n||!r)&&!(l in s)){if(s=1==e.length?s:i(s,o(e,0,- 1)),null==s)return!1;l=c(e),s=p(s)}return s[l]===t?void 0!==t||l in s:a(t,s[l],void 0,!0)}}var i=e("./baseGet"),a=e("./baseIsEqual"),o=e("./baseSlice"),s=e("../lang/isArray"),l=e("./isKey"),u=e("./isStrictCompar able"),c=e("../array/last"),p=e("./toObject"),h=e("./toPath");t.exports=r},{"../array/last":50,"../lang/isArray":140,"./b aseGet":77,"./baseIsEqual":79,"./baseSlice":89,"./isKey":123,"./isStrictComparable":127,"./toObject":135,"./toPath" :136}],86:[function(e,t,n){function r(e){return function(t){return null==t?void 0:i(t)[e]}}var i=e("./toObject");t.exports=r},{"./toObject":135}],87:[function(e,t,n){function r(e){var t=e+"";return e=a(e),function(n){return i(n,e,t)}}var i=e("./baseGet"),a=e("./toPath");t.exports=r},{"./baseGet":77,"./toPath":136}],88:[function(e,t,n){var r=e("../utility/identity"),i=e("./metaMap"),a=i?function(e,t){return i.set(e,t),e}:r;t.exports=a},{"../utility/identity":154,"./metaMap":129}],89:[function(e,t,n){function r(e,t,n){var r=- 1,i=e.length;t=null==t?0:+t||0,t<0&&(t=-t>i?0:i+t),n=void 0===n||n>i?i:+n||0,n<0&&(n+=i),i=t>n?0:n- t>>>0,t>>>=0;for(var a=Array(i);++r<i;)a[r]=e[r+t];return a}t.exports=r},{}],90:[function(e,t,n){function r(e){return null==e?"":e+""}t.exports=r},{}],91:[function(e,t,n){function r(e,t){for(var n=- 1,r=t.length,i=Array(r);++n<r;)i[n]=e[t[n]];return i}t.exports=r},{}],92:[function(e,t,n){function r(e,t,n){var r=0,o=e?e.length:r;if("number"==typeof t&&t===t&&o<=s){for(;r<o;){var l=r+o>>>1,u=e[l];(n?u<=t:u<t)&&null!==u?r=l+1:o=l}return o}return i(e,t,a,n)}var i=e("./binaryIndexBy"),a=e("../utility/identity"),o=4294967295,s=o>>>1;t.exports=r},{"../utility/identity":154,"./bin aryIndexBy":93}],93:[function(e,t,n){function r(e,t,n,r){t=n(t);for(var o=0,l=e?e.length:0,u=t!==t,c=null===t,p=void 0===t;o<l;){var h=i((o+l)/2),f=n(e[h]),d=void 0!==f,m=f===f;if(u)var g=m||r;else g=c?m&&d&&(r||null!=f):p?m&&(r||d):null!=f&&(r?f<=t:f<t);g?o=h+1:l=h}return a(l,s)}var i=Math.floor,a=Math.min,o=4294967295,s=o-1;t.exports=r},{}],94:[function(e,t,n){function r(e,t,n){if("function"!=typeof e)return i;if(void 0===t)return e;switch(n){case 1:return function(n){return e.call(t,n)};case 3:return function(n,r,i){return e.call(t,n,r,i)};case 4:return function(n,r,i,a){return e.call(t,n,r,i,a)};case 5:return function(n,r,i,a,o){return e.call(t,n,r,i,a,o)}}return function(){return e.apply(t,arguments)}}var i=e("../utility/identity");t.exports=r},{"../utility/identity":154}],95:[function(e,t,n){(function(e){function n(e){var t=new r(e.byteLength),n=new i(t);return n.set(new i(e)),t}var r=e.ArrayBuffer,i=e.Uint8Array;t.exports=n}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{}],96:[function(e,t,n){function r(e,t,n){for(var r=n.length,a=- 1,o=i(e.length-r,0),s=-1,l=t.length,u=Array(l+o);++s<l;)u[s]=t[s];for(;++a<r;)u[n[a]]=e[a];for(;o-- ;)u[s++]=e[a++];return u}var i=Math.max;t.exports=r},{}],97:[function(e,t,n){function r(e,t,n){for(var r=- 1,a=n.length,o=-1,s=i(e.length-a,0),l=-1,u=t.length,c=Array(s+u);++o<s;)c[o]=e[o];for(var p=o;++l<u;)c[p+l]=t[l];for(;++r<a;)c[p+n[r]]=e[o++];return c}var

i=Math.max;t.exports=r},{}]],98:[function(e,t,n){function r(e,t){return function(n,r){var s=n?i(n):0;if(!a(s))return e(n,r);for(var l=t?s:-1,u=o(n);(t?l--:++l<s)&&r(u[l],l,u)!==!1;);return n}}var i=e("./getLength"),a=e("./isLength"),o=e("./toObject");t.exports=r},{"./getLength":112,"./isLength":125,"./toObject":135}],99:[function(e,t,n){function r(e){return function(t,n,r){for(var a=i(t),o=r(t),s=o.length,l=e?s:-1;e?l--:++l<s;){var u=o[l];if(n(a[u],u,a)===!1)break}return t}}var i=e("./toObject");t.exports=r},{"./toObject":135}],100:[function(e,t,n){(function(n){function r(e,t){function r(){var i=this&&this!==n&&this instanceof r?a:e;return i.apply(t,arguments)}var a=i(e);return r}var i=e("./createCtorWrapper");t.exports=r}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{"./createCtorWrapper":101}],101:[function(e,t,n){function r(e){return function(){var t=arguments;switch(t.length){case 0:return new e;case 1:return new e(t[0]);case 2:return new e(t[0],t[1]);case 3:return new e(t[0],t[1],t[2]);case 4:return new e(t[0],t[1],t[2],t[3]);case 5:return new e(t[0],t[1],t[2],t[3],t[4]);case 6:return new e(t[0],t[1],t[2],t[3],t[4],t[5]);case 7:return new e(t[0],t[1],t[2],t[3],t[4],t[5],t[6])}var n=i(e.prototype),r=e.apply(n,t);return a(r)?r:n}}var i=e("./baseCreate"),a=e("../lang/isObject");t.exports=r},{"../lang/isObject":144,"./baseCreate":70}],102:[function(e,t,n){function r(e,t){return function(n,r,l){if(r=i(r,l,3),s(n)){var u=o(n,r,t);return u>-1?n[u]:void 0}return a(n,r,e)}}var i=e("./baseCallback"),a=e("./baseFind"),o=e("./baseFindIndex"),s=e("../lang/isArray");t.exports=r},{"../lang/isArray":140,"./baseCallback":67,"./baseFind":72,"./baseFindIndex":73}],103:[function(e,t,n){function r(e,t){return function(n,r,o){return"function"==typeof r&&void 0===o&&a(n)?e(n,r):t(n,i(r,o,3))}}var i=e("./bindCallback"),a=e("../lang/isArray");t.exports=r},{"../lang/isArray":140,"./bindCallback":94}],104:[function(e,t,n){(function(n){function r(e,t,_,x,A,S,j,E,O,k){function T(){for(var d=arguments.length,m=d,g=Array(d);m--;)g[m]=arguments[m];if(x&&(g=a(g,x,A)),S&&(g=o(g,S,j)),L||R){var b=T.placeholder,P=c(g,b);if(d-=P.length,d<k){var q=E?i(E):void 0,B=w(k-d,0),N=L?P:void 0,z=L?void 0:P,$=L?g:void 0,F=L?void 0:g;t|=L?y:v,t&=~(L?v:y),M||(t&=~(h|f));var V=[e,t,_,$,N,F,z,q,O,B],H=r.apply(void 0,V);return l(e)&&p(H,V),H.placeholder=b,H}}var Y=I?_:this,J=D?Y[e]:e;return E&&(g=u(g,E)),C&&O<g.length&&(g.length=O),this&&this!==n&&this instanceof T&&(J=U||s(e)),J.apply(Y,g)}var C=t&b,I=t&h,D=t&f,L=t&m,M=t&d,R=t&g,U=D?void 0:s(e);return T}var i=e("./arrayCopy"),a=e("./composeArgs"),o=e("./composeArgsRight"),s=e("./createCtorWrapper"),l=e("./isLaziable"),u=e("./reorder"),c=e("./replaceHolders"),p=e("./setData"),h=1,f=2,d=4,m=8,g=16,y=32,v=64,b=128,w=Math.max;t.exports=r}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{"./arrayCopy":62,"./composeArgs":96,"./composeArgsRight":97,"./createCtorWrapper":101,"./isLaziable":124,"./reorder":131,"./replaceHolders":132,"./setData":133}],105:[function(e,t,n){(function(n){function r(e,t,r,o){function s(){for(var t=-1,i=arguments.length,a=-1,c=o.length,p=Array(c+i);++a<c;)p[a]=o[a];for(;i--;)p[a++]=arguments[++t];var h=this&&this!==n&&this instanceof s?u:e;return h.apply(l?r:this,p)}var l=t&a,u=i(e);return s}var i=e("./createCtorWrapper"),a=1;t.exports=r}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{"./createCtorWrapper":101}],106:[function(e,t,n){function r(e,t,n,r,y,v,b,w){var _=t&h;if(!_&&"function"!=typeof e)throw new TypeError(m);var x=r?r.length:0;if(x||(t&=~(f|d),r=y=void 0),x-=y?y.length:0,t&d){var A=r,S=y;r=y=void 0}var j=_?void 0:l(e),E=[e,t,n,r,y,A,S,v,b,w];if(j&&(u(E,j),t=E[1],w=E[9]),E[9]=null==w?_?0:e.length:g(w-x,0)||0,t==p)var O=a(E[0],E[2]);else O=t!=f&&t!=(p|f)||E[4].length?o.apply(void 0,E):s.apply(void 0,E);var k=j?i:c;return k(O,E)}var i=e("./baseSetData"),a=e("./createBindWrapper"),o=e("./createHybridWrapper"),s=e("./createPartialWrapper"),l=e("./getData"),u=e("./mergeData"),c=e("./setData"),p=1,h=2,f=32,d=64,m="Expected a function",g=Math.max;t.exports=r},{"./baseSetData":88,"./createBindWrapper":100,"./createHybridWrapper":104,"./createPartialWrapper":105,"./getData":110,"./mergeData":128,"./setData":133}],107:[function(e,t,n){function r(e,t,n,r,a,o,s){var l=-1,u=e.length,c=t.length;if(u!=c&&!(a&&c>u))return!1;for(;++l<u;){var p=e[l],h=t[l],f=r?r(a?h:p,a?p:h,l):void 0;if(void 0!==f){if(f)continue;return!1}if(a){if(!i(t,function(e){return p===e||n(p,e,r,a,o,s)}))return!1}else if(p!==h&&!n(p,h,r,a,o,s))return!1}return!0}var

i=e("./arraySome");t.exports=r},{"./arraySome":65}],108:[function(e,t,n){function r(e,t,n){switch(n){case i:case a:return+e==+t;case o:return e.name==t.name&&e.message==t.message;case s:return e!=+e?t!=+t:e==+t;case l:case u:return e==t+""}return!1}var i="[object Boolean]",a="[object Date]",o="[object Error]",s="[object Number]",l="[object RegExp]",u="[object String]";t.exports=r},{}],109:[function(e,t,n){function r(e,t,n,r,a,s,l){var u=i(e),c=u.length,p=i(t),h=p.length;if(c!=h&&!a)return!1;for(var f=c;f--;){var d=u[f];if(!(a?d in t:o.call(t,d)))return!1}for(var m=a;++f<c;){d=u[f];var g=e[d],y=t[d],v=r?r(a?y:g,a?g:y,d):void 0;if(!(void 0===v?n(g,y,r,a,s,l):v))return!1;m||(m="constructor"==d)}if(!m){var b=e.constructor,w=t.constructor;if(b!=w&&"constructor"in e&&"constructor"in t&&!("function"==typeof b&&b instanceof b&&"function"==typeof w&&w instanceof w))return!1}return!0}var i=e("../object/keys"),a=Object.prototype,o=a.hasOwnProperty;t.exports=r},{"../object/keys":149}],110:[function(e,t,n){var r=e("./metaMap"),i=e("../utility/noop"),a=r?function(e){return r.get(e)}:i;t.exports=a},{"../utility/noop":155,"./metaMap":129}],111:[function(e,t,n){function r(e){for(var t=e.name+"",n=i[t],r=n?n.length:0;r--;){var a=n[r],o=a.func;if(null==o||o==e)return a.name}return t}var i=e("./realNames");t.exports=r},{"./realNames":130}],112:[function(e,t,n){var r=e("./baseProperty"),i=r("length");t.exports=i},{"./baseProperty":86}],113:[function(e,t,n){function r(e){for(var t=a(e),n=t.length;n--;)t[n][2]=i(t[n][1]);return t}var i=e("./isStrictComparable"),a=e("../object/pairs");t.exports=r},{"../object/pairs":151,"./isStrictComparable":127}],114:[function(e,t,n){function r(e,t){var n=null==e?void 0:e[t];return i(n)?n:void 0}var i=e("../lang/isNative");t.exports=r},{"../lang/isNative":143}],115:[function(e,t,n){function r(e,t,n){for(var r=e.length,i=t+(n?0:-1);n?i--:++i<r;){var a=e[i];if(a!==a)return i}return-1}t.exports=r},{}],116:[function(e,t,n){function r(e){var t=e.length,n=new e.constructor(t);return t&&"string"==typeof e[0]&&a.call(e,"index")&&(n.index=e.index,n.input=e.input),n}var i=Object.prototype,a=i.hasOwnProperty;t.exports=r},{}],117:[function(e,t,n){(function(n){function r(e,t,n){var r=e.constructor;switch(t){case c:return i(e);case a:case o:return new r((+e));case p:case h:case f:case d:case m:case g:case y:case v:case b:r instanceof r&&(r=x[t]);var _=e.buffer;return new r(n?i(_):_,e.byteOffset,e.length);case s:case u:return new r(e);case l:var A=new r(e.source,w.exec(e));A.lastIndex=e.lastIndex}return A}var i=e("./bufferClone"),a="[object Boolean]",o="[object Date]",s="[object Number]",l="[object RegExp]",u="[object String]",c="[object ArrayBuffer]",p="[object Float32Array]",h="[object Float64Array]",f="[object Int8Array]",d="[object Int16Array]",m="[object Int32Array]",g="[object Uint8Array]",y="[object Uint8ClampedArray]",v="[object Uint16Array]",b="[object Uint32Array]",w=/\w*$/,_=n.Uint8Array,x={};x[p]=n.Float32Array,x[h]=n.Float64Array,x[f]=n.Int8Array,x[d]=n.Int16Array,x[m]=n.Int32Array,x[g]=_,x[y]=n.Uint8ClampedArray,x[v]=n.Uint16Array,x[b]=n.Uint32Array,t.exports=r}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof self?self:"undefined"!=typeof window?window:{})},{"./bufferClone":95}],118:[function(e,t,n){function r(e){var t=e.constructor;return"function"==typeof t&&t instanceof t||(t=Object),new t}t.exports=r},{}],119:[function(e,t,n){function r(e){return null!=e&&a(i(e))}var i=e("./getLength"),a=e("./isLength");t.exports=r},{"./getLength":112,"./isLength":125}],120:[function(e,t,n){var r=function(){try{Object({toString:0}+"")}catch(e){return function(){return!1}}return function(e){return"function"!=typeof e.toString&&"string"==typeof(e+"")}}();t.exports=r},{}],121:[function(e,t,n){function r(e,t){return e="number"==typeof e||i.test(e)?+e:-1,t=null==t?a:t,e>-1&&e%1==0&&e<t}var i=/^\d+$/,a=9007199254740991;t.exports=r},{}],122:[function(e,t,n){function r(e,t,n){if(!o(n))return!1;var r=typeof t;if("number"==r?i(n)&&a(t,n.length):"string"==r&&t in n){var s=n[t];return e===e?e===s:s!==s}return!1}var i=e("./isArrayLike"),a=e("./isIndex"),o=e("../lang/isObject");t.exports=r},{"../lang/isObject":144,"./isArrayLike":119,"./isIndex":121}],123:[function(e,t,n){function r(e,t){var n=typeof e;if("string"==n&&s.test(e)||"number"==n)return!0;if(i(e))return!1;var r=!o.test(e);return r||null!=t&&e in a(t)}var i=e("../lang/isArray"),a=e("./toObject"),o=/\.|\[(?:[^[\]]*|(["'])(?:(?!\1)[^\n\\]|\\.)*?\1)\]/,s=/^\w*$/;t.exports=r},{"../lang/isArray":140,"./toObject":135}],124:[function(e,t,n){function r(e){var t=o(e),n=s[t];if("function"!=typeof n||!(t in

i.prototype))return!1;if(e===n)return!0;var r=a(n);return!!r&&e===r[0]}var
i=e("./LazyWrapper"),a=e("./getData"),o=e("./getFuncName"),s=e("../chain/lodash");t.exports=r},{"../chain/lodash":
51,"./LazyWrapper":60,"./getData":110,"./getFuncName":111}],125:[function(e,t,n){function
r(e){return"number"==typeof e&&e>-1&&e%1==0&&e<=i}var
i=9007199254740991;t.exports=r},{}],126:[function(e,t,n){function r(e){return!!e&&"object"==typeof
e}t.exports=r},{}],127:[function(e,t,n){function r(e){return e===e&&!i(e)}var
i=e("../lang/isObject");t.exports=r},{"../lang/isObject":144}],128:[function(e,t,n){function r(e,t){var
n=e[1],r=t[1],m=n|r,g=m<p,y=r===p&&n==c||r==p&&n==h&&e[7].length<=t[8]||r==(p|h)&&n==c;if(!g&&!y)retur
n e;r&l&&(e[2]=t[2],m|=n&l?0:u);var v=t[3];if(v){var b=e[3];e[3]=b?a(b,v,t[4]):i(v),e[4]=b?s(e[3],f):i(t[4])}return
v=t[5],v&&(b=e[5],e[5]=b?o(b,v,t[6]):i(v),e[6]=b?s(e[5],f):i(t[6])),v=t[7],v&&(e[7]=i(v)),r&p&&(e[8]=null==e[8]?
t[8]:d(e[8],t[8])),null==e[9]&&(e[9]=t[9]),e[0]=t[0],e[1]=m,e}var
i=e("./arrayCopy"),a=e("./composeArgs"),o=e("./composeArgsRight"),s=e("./replaceHolders"),l=1,u=4,c=8,p=128,h
=256,f="__lodash_placeholder__",d=Math.min;t.exports=r},{"./arrayCopy":62,"./composeArgs":96,"./composeArgs
Right":97,"./replaceHolders":132}],129:[function(e,t,n){(function(n){var
r=e("./getNative"),i=r(n,"WeakMap"),a=i&&new i;t.exports=a}).call(this,"undefined"!=typeof
global?global:"undefined"!=typeof self?self:"undefined"!=typeof
window?window:{})},{"./getNative":114}],130:[function(e,t,n){var
r={};t.exports=r},{}],131:[function(e,t,n){function r(e,t){for(var n=e.length,r=o(t.length,n),s=i(e);r--;){var
l=t[r];e[r]=a(l,n)?s[l]:void 0}return e}var
i=e("./arrayCopy"),a=e("./isIndex"),o=Math.min;t.exports=r},{"./arrayCopy":62,"./isIndex":121}],132:[function(e,t,
n){function r(e,t){for(var n=-1,r=e.length,a=-1,o=[];++n<r;)e[n]===t&&(e[n]=i,o[++a]=n);return o}var
i="__lodash_placeholder__";t.exports=r},{}],133:[function(e,t,n){var
r=e("./baseSetData"),i=e("../date/now"),a=150,o=16,s=function(){var e=0,t=0;return function(n,s){var l=i(),u=o-(l-
t);if(t=l,u>0){if(++e>=a)return n}else e=0;return
r(n,s)}}();t.exports=s},{"../date/now":57,"./baseSetData":88}],134:[function(e,t,n){function r(e){for(var
t=u(e),n=t.length,r=n&&e.length,c=!!r&&s(r)&&(a(e)||i(e)||l(e)),h=-1,f=[];++h<n;){var
d=t[h];(c&&o(d,r)||p.call(e,d))&&f.push(d)}return f}var
i=e("../lang/isArguments"),a=e("../lang/isArray"),o=e("./isIndex"),s=e("./isLength"),l=e("../lang/isString"),u=e("../ob
ject/keysIn"),c=Object.prototype,p=c.hasOwnProperty;t.exports=r},{"../lang/isArguments":139,"../lang/isArray":14
0,"../lang/isString":146,"../object/keysIn":150,"./isIndex":121,"./isLength":125}],135:[function(e,t,n){function
r(e){if(o.unindexedChars&&a(e)){for(var t=-1,n=e.length,r=Object(e);++t<n;)r[t]=e.charAt(t);return r}return
i(e)?e:Object(e)}var
i=e("../lang/isObject"),a=e("../lang/isString"),o=e("../support");t.exports=r},{"../lang/isObject":144,"../lang/isString":
146,"../support":153}],136:[function(e,t,n){function r(e){if(a(e))return e;var t=[];return
i(e).replace(o,function(e,n,r,i){t.push(r?i.replace(s,"$1"):n||e)}),t}var
i=e("./baseToString"),a=e("../lang/isArray"),o=/[^.[\]]+|\[(?:(-
?\d+(?:\.\d+)?)|(["'])((?:(?!\2)[^\n\\]|\\.)*?)\2)\]/g,s=/\\(\\)?/g;t.exports=r},{"../lang/isArray":140,"./baseToString":90}
],137:[function(e,t,n){function r(e){return e instanceof i?e.clone():new
a(e.__wrapped__,e.__chain__,o(e.__actions__))}var
i=e("./LazyWrapper"),a=e("./LodashWrapper"),o=e("./arrayCopy");t.exports=r},{"./LazyWrapper":60,"./LodashWra
pper":61,"./arrayCopy":62}],138:[function(e,t,n){function r(e,t,n){return"function"==typeof
t?i(e,!0,a(t,n,3)):i(e,!0)}var
i=e("../internal/baseClone"),a=e("../internal/bindCallback");t.exports=r},{"../internal/baseClone":68,"../internal/bind
Callback":94}],139:[function(e,t,n){function r(e){return a(e)&&i(e)&&s.call(e,"callee")&&!l.call(e,"callee")}var
i=e("../internal/isArrayLike"),a=e("../internal/isObjectLike"),o=Object.prototype,s=o.hasOwnProperty,l=o.propertyI
sEnumerable;t.exports=r},{"../internal/isArrayLike":119,"../internal/isObjectLike":126}],140:[function(e,t,n){var
r=e("../internal/getNative"),i=e("../internal/isLength"),a=e("../internal/isObjectLike"),o="[object
Array]",s=Object.prototype,l=s.toString,u=r(Array,"isArray"),c=u||function(e){return

a(e)&&i(e.length)&&l.call(e)==o};t.exports=c},{"../internal/getNative":114,"../internal/isLength":125,"../internal/isObjectLike":126}],141:[function(e,t,n){function r(e){return null==e||(o(e)&&(a(e)||u(e)||i(e)||l(e)&&s(e.splice))?!e.length:!c(e).length)}var i=e("./isArguments"),a=e("./isArray"),o=e("../internal/isArrayLike"),s=e("./isFunction"),l=e("../internal/isObjectLike"),u=e("./isString"),c=e("../object/keys");t.exports=r},{"../internal/isArrayLike":119,"../internal/isObjectLike":126,"../object/keys":149,"./isArguments":139,"./isArray":140,"./isFunction":142,"./isString":146}],142:[function(e,t,n){function r(e){return i(e)&&s.call(e)==a}var i=e("./isObject"),a="[object Function]",o=Object.prototype,s=o.toString;t.exports=r},{"./isObject":144}],143:[function(e,t,n){function r(e){return null!=e&&(i(e)?p.test(u.call(e)):o(e)&&(a(e)?p:s).test(e))}var i=e("./isFunction"),a=e("../internal/isHostObject"),o=e("../internal/isObjectLike"),s=/^\[object .+?Constructor\]$/,l=Object.prototype,u=Function.prototype.toString,c=l.hasOwnProperty,p=RegExp("^"+u.call(c).replace(/[\\^$.*+?()[\]{}|]/g,"\\$&").replace(/hasOwnProperty|(function).*?(?=\\\()| for .+?(?=\\\])/g,"$1.*?")+"$");t.exports=r},{"../internal/isHostObject":120,"../internal/isObjectLike":126,"./isFunction":142}],144:[function(e,t,n){function r(e){var t=typeof e;return!!e&&("object"==t||"function"==t)}t.exports=r},{}],145:[function(e,t,n){function r(e){var t;if(!s(e)||h.call(e)!=u||o(e)||a(e)||!p.call(e,"constructor")&&(t=e.constructor,"function"==typeof t&&!(t instanceof t)))return!1;var n;return l.ownLast?(i(e,function(e,t,r){return n=p.call(r,t),!1}),n!==!1):(i(e,function(e,t){n=t}),void 0===n||p.call(e,n))}var i=e("../internal/baseForIn"),a=e("./isArguments"),o=e("../internal/isHostObject"),s=e("../internal/isObjectLike"),l=e("../support"),u="[object Object]",c=Object.prototype,p=c.hasOwnProperty,h=c.toString;t.exports=r},{"../internal/baseForIn":75,"../internal/isHostObject":120,"../internal/isObjectLike":126,"../support":153,"./isArguments":139}],146:[function(e,t,n){function r(e){return"string"==typeof e||i(e)&&s.call(e)==a}var i=e("../internal/isObjectLike"),a="[object String]",o=Object.prototype,s=o.toString;t.exports=r},{"../internal/isObjectLike":126}],147:[function(e,t,n){function r(e){return a(e)&&i(e.length)&&!!T[I.call(e)]}var i=e("../internal/isLength"),a=e("../internal/isObjectLike"),o="[object Arguments]",s="[object Array]",l="[object Boolean]",u="[object Date]",c="[object Error]",p="[object Function]",h="[object Map]",f="[object Number]",d="[object Object]",m="[object RegExp]",g="[object Set]",y="[object String]",v="[object WeakMap]",b="[object ArrayBuffer]",w="[object Float32Array]",_="[object Float64Array]",x="[object Int8Array]",A="[object Int16Array]",S="[object Int32Array]",j="[object Uint8Array]",E="[object Uint8ClampedArray]",O="[object Uint16Array]",k="[object Uint32Array]",T={};T[w]=T[_]=T[x]=T[A]=T[S]=T[j]=T[E]=T[O]=T[k]=!0,T[o]=T[s]=T[b]=T[l]=T[u]=T[c]=T[p]=T[h]=T[f]=T[d]=T[m]=T[g]=T[y]=T[v]=!1;var C=Object.prototype,I=C.toString;t.exports=r},{"../internal/isLength":125,"../internal/isObjectLike":126}],148:[function(e,t,n){function r(e){return void 0===e}t.exports=r},{}],149:[function(e,t,n){var r=e("../internal/getNative"),i=e("../internal/isArrayLike"),a=e("../lang/isObject"),o=e("../internal/shimKeys"),s=e("../support"),l=r(Object,"keys"),u=l?function(e){var t=null==e?void 0:e.constructor;return"function"==typeof t&&t.prototype===e||("function"==typeof e?s.enumPrototypes:i(e))?o(e):a(e)?l(e):[]}:o;t.exports=u},{"../internal/getNative":114,"../internal/isArrayLike":119,"../internal/shimKeys":134,"../lang/isObject":144,"../support":153}],150:[function(e,t,n){function r(e){if(null==e)return[];c(e)||(e=Object(e));var t=e.length;t=t&&u(t)&&(o(e)||a(e)||p(e))&&t||0;for(var n=e.constructor,r=-1,i=s(n)&&n.prototype||S,f=i===e,d=Array(t),m=t>0,y=h.enumErrorProps&&(e===A||e instanceof Error),v=h.enumPrototypes&&s(e);++r<t;)d[r]=r+"";for(var w in e)v&&"prototype"==w||y&&("message"==w||"name"==w)||m&&l(w,t)||"constructor"==w&&(f||!E.call(e,w))||d.push(w);if(h.nonEnumShadows&&e!==S){var T=e===j?_:e===A?g:O.call(e),C=k[T]||k[b];for(T==b&&(i=S),t=x.length;t--;){w=x[t];var I=C[w];f&&I||(I?!E.call(e,w):e[w]===i[w])||d.push(w)}}return d}var i=e("../internal/arrayEach"),a=e("../lang/isArguments"),o=e("../lang/isArray"),s=e("../lang/isFunction"),l=e("../intern

al/isIndex"),u=e("../internal/isLength"),c=e("../lang/isObject"),p=e("../lang/isString"),h=e("../support"),f="[object Array]",d="[object Boolean]",m="[object Date]",g="[object Error]",y="[object Function]",v="[object Number]",b="[object Object]",w="[object RegExp]",_="[object String]",x=["constructor","hasOwnProperty","isPrototypeOf","propertyIsEnumerable","toLocaleString","toString","valueOf"],A=Error.prototype,S=Object.prototype,j=String.prototype,E=S.hasOwnProperty,O=S.toString,k={};k[f]= k[m]=k[v]={constructor:!0,toLocaleString:!0,toString:!0,valueOf:!0},k[d]=k[_]={constructor:!0,toString:!0,valueOf :!0},k[g]=k[y]=k[w]={constructor:!0,toString:!0},k[b]={constructor:!0},i(x,function(e){for(var t in k)if(E.call(k,t)){var n=k[t];n[e]=E.call(n,e)}}),t.exports=r},{"../internal/arrayEach":63,"../internal/isIndex":121,"../internal/isLength":12 5,"../lang/isArguments":139,"../lang/isArray":140,"../lang/isFunction":142,"../lang/isObject":144,"../lang/isString":1 46,"../support":153}],151:[function(e,t,n){function r(e){e=a(e);for(var t=-1,n=i(e),r=n.length,o=Array(r);++t<r;){var s=n[t];o[t]=[s,e[s]]}return o}var i=e("./keys"),a=e("../internal/toObject");t.exports=r},{"../internal/toObject":135,"./keys":149}],152:[function(e,t,n){f unction r(e){return i(e,a(e))}var i=e("../internal/baseValues"),a=e("./keys");t.exports=r},{"../internal/baseValues":91,"./keys":149}],153:[function(e,t ,n){var r=Array.prototype,i=Error.prototype,a=Object.prototype,o=a.propertyIsEnumerable,s=r.splice,l={};!function(e){var t=function(){this.x=e},n={0:e,length:e},r=[];t.prototype={valueOf:e,y:e};for(var a in new t)r.push(a);l.enumErrorProps=o.call(i,"message")||o.call(i,"name"),l.enumPrototypes=o.call(t,"prototype"),l.nonEnu mShadows=!/valueOf/.test(r),l.ownLast="x"!=r[0],l.spliceObjects=(s.call(n,0,1),!n[0]),l.unindexedChars="x"[0]+Ob ject("x")[0]!="xx"}(1,0),t.exports=l},{}],154:[function(e,t,n){function r(e){return e}t.exports=r},{}],155:[function(e,t,n){function r(){}t.exports=r},{}],156:[function(e,t,n){function r(e){return o(e)?i(e):a(e)}var i=e("../internal/baseProperty"),a=e("../internal/basePropertyDeep"),o=e("../internal/isKey");t.exports=r},{"../internal/ baseProperty":86,"../internal/basePropertyDeep":87,"../internal/isKey":123}],157:[function(e,n,r){(function(e){!func tion(e){"use strict";if("function"==typeof bootstrap)bootstrap("promise",e);else if("object"==typeof r&&"object"==typeof n)n.exports=e();else if("function"==typeof t&&t.amd)t(e);else if("undefined"!=typeof ses){if(!ses.ok())return;ses.makeQ=e}else{if("undefined"==typeof window&&"undefined"==typeof self)throw new Error("This environment was not anticipated by Q. Please file a bug.");var i="undefined"!=typeof window?window:self,a=i.Q;i.Q=e(),i.Q.noConflict=function(){return i.Q=a,this}}}(function(){"use strict";function t(e){return function(){return Q.apply(e,arguments)}}function n(e){return e===Object(e)}function r(e){return"[object StopIteration]"===re(e)||e instanceof H}function i(e,t){if($&&t.stack&&"object"==typeof e&&null!==e&&e.stack&&e.stack.indexOf(ie)===-1){for(var n=[],r=t;r;r=r.source)r.stack&&n.unshift(r.stack);n.unshift(e.stack);var i=n.join("\n"+ie+"\n");e.stack=a(i)}}function a(e){for(var t=e.split("\n"),n=[],r=0;r<t.length;++r){var i=t[r];l(i)||o(i)||!i||n.push(i)}return n.join("\n")}function o(e){return e.indexOf("(module.js:")!==-1||e.indexOf("(node.js:")!==-1}function s(e){var t=/at .+ \((.+):(\d+):(?:\d+)\)$/.exec(e);if(t)return[t[1],Number(t[2])];var n=/at ([^]+):(\d+):(?:\d+)$/.exec(e);if(n)return[n[1],Number(n[2])];var r=/.*@(.+):(\d+)$/.exec(e);return r?[r[1],Number(r[2])]:void 0}function l(e){var t=s(e);if(!t)return!1;var n=t[0],r=t[1];return n===V&&r>=Y&&r<=ue}function u(){if($)try{throw new Error}catch(e){var t=e.stack.split("\n"),n=t[0].indexOf("@")>0?t[1]:t[2],r=s(n);if(!r)return;return V=r[0],r[1]}}function c(e,t,n){return function(){return"undefined"!=typeof console&&"function"==typeof console.warn&&console.warn(t+" is deprecated, use "+n+" instead.",new Error("").stack),e.apply(e,arguments)}}function p(e){return e instanceof m?e:b(e)?k(e):O(e)}function h(){function e(e){t=e,a.source=e,K(n,function(t,n){p.nextTick(function(){e.promiseDispatch.apply(e,n)})}),void 0),n=void 0,r=void 0}var t,n=[],r=[],i=ee(h.prototype),a=ee(m.prototype);if(a.promiseDispatch=function(e,i,a){var o=G(arguments);n?(n.push(o),"when"===i&&a[1]&&r.push(a[1])):p.nextTick(function(){t.promiseDispatch.apply(t ,o)})},a.valueOf=function(){if(n)return a;var e=y(t);return v(e)&&(t=e),e},a.inspect=function(){return

t?t.inspect():{state:"pending"}},p.longStackSupport&&$)try{throw new Error}catch(o){a.stack=o.stack.substring(o.stack.indexOf("\n")+1)}return i.promise=a,i.resolve=function(n){t||e(p(n))},i.fulfill=function(n){t||e(O(n))},i.reject=function(n){t||e(E(n))},i.notify=function(e){t||K(r,function(t,n){p.nextTick(function(){n(e)})},void 0)},i}function f(e){if("function"!=typeof e)throw new TypeError("resolver must be a function.");var t=h();try{e(t.resolve,t.reject,t.notify)}catch(n){t.reject(n)}return t.promise}function d(e){return f(function(t,n){for(var r=0,i=e.length;r<i;r++)p(e[r]).then(t,n)})}function m(e,t,n){void 0===t&&(t=function(e){return E(new Error("Promise does not support operation: "+e))}),void 0===n&&(n=function(){return{state:"unknown"}});var r=ee(m.prototype);if(r.promiseDispatch=function(n,i,a){var o;try{o=e[i]?e[i].apply(r,a):t.call(r,i,a)}catch(s){o=E(s)}n&&n(o)},r.inspect=n,n){var i=n();"rejected"===i.state&&(r.exception=i.reason),r.valueOf=function(){var e=n();return"pending"===e.state||"rejected"===e.state?r:e.value}}return r}function g(e,t,n,r){return p(e).then(t,n,r)}function y(e){if(v(e)){var t=e.inspect();if("fulfilled"===t.state)return t.value}return e}function v(e){return e instanceof m}function b(e){return n(e)&&"function"==typeof e.then}function w(e){return v(e)&&"pending"===e.inspect().state}function _(e){return!v(e)||"fulfilled"===e.inspect().state}function x(e){return v(e)&&"rejected"===e.inspect().state}function A(){ae.length=0,oe.length=0,le||(le=!0)}function S(t,n){le&&("object"==typeof e&&"function"==typeof e.emit&&p.nextTick.runAfter(function(){X(oe,t)!==-1&&(e.emit("unhandledRejection",n,t),se.push(t))}),oe.push(t),n&&"undefined"!=typeof n.stack?ae.push(n.stack):ae.push("(no stack) "+n))}function j(t){if(le){var n=X(oe,t);n!==-1&&("object"==typeof e&&"function"==typeof e.emit&&p.nextTick.runAfter(function(){var r=X(se,t);r!==-1&&(e.emit("rejectionHandled",ae[n],t),se.splice(r,1))}),oe.splice(n,1),ae.splice(n,1))}}function E(e){var t=m({when:function(t){return t&&j(this),t?t(e):this}},function(){return this},function(){return{state:"rejected",reason:e}});return S(t,e),t}function O(e){return m({when:function(){return e},get:function(t){return e[t]},set:function(t,n){e[t]=n},"delete":function(t){delete e[t]},post:function(t,n){return null===t||void 0===t?e.apply(void 0,n):e[t].apply(e,n)},apply:function(t,n){return e.apply(t,n)},keys:function(){return ne(e)}},void 0,function(){return{state:"fulfilled",value:e}})}function k(e){var t=h();return p.nextTick(function(){try{e.then(t.resolve,t.reject,t.notify)}catch(n){t.reject(n)}}),t.promise}function T(e){return m({isDef:function(){}},function(t,n){return R(e,t,n)},function(){return p(e).inspect()})}function C(e,t,n){return p(e).spread(t,n)}function I(e){return function(){function t(e,t){var o;if("undefined"==typeof StopIteration){try{o=n[e](t)}catch(s){return E(s)}return o.done?p(o.value):g(o.value,i,a)}try{o=n[e](t)}catch(s){return r(s)?p(s.value):E(s)}return g(o,i,a)}var n=e.apply(this,arguments),i=t.bind(t,"next"),a=t.bind(t,"throw");return i()}}function D(e){p.done(p.async(e)())}function L(e){throw new H(e)}function M(e){return function(){return C([this,U(arguments)],function(t,n){return e.apply(t,n)})}}function R(e,t,n){return p(e).dispatch(t,n)}function U(e){return g(e,function(e){var t=0,n=h();return K(e,function(r,i,a){var o;v(i)&&"fulfilled"===(o=i.inspect()).state?e[a]=o.value:(++t,g(i,function(r){e[a]=r,0===--t&&n.resolve(e)},n.reject,function(e){n.notify({index:a,value:e})}))}),void 0),0===t&&n.resolve(e),n.promise})}function P(e){if(0===e.length)return p.resolve();var t=p.defer(),n=0;return K(e,function(r,i,a){function o(e){t.resolve(e)}function s(){n--,0===n&&t.reject(new Error("Can't get fulfillment value from any promise, all promises were rejected."))}function l(e){t.notify({index:a,value:e})}var u=e[a];n++,g(u,o,s,l)},void 0),t.promise}function q(e){return g(e,function(e){return e=Z(e,p),g(U(Z(e,function(e){return g(e,J,J)})),function(){return e})})}function B(e){return p(e).allSettled()}function N(e,t){return p(e).then(void 0,void 0,t)}function z(e,t){return p(e).nodeify(t)}var $=!1;try{throw new Error}catch(F){$=!!F.stack}var V,H,Y=u(),J=function(){},W=function(){function t(){for(var e,t;r.next;){r=r.next,e=r.task,r.task=void 0,t=r.domain,t&&(r.domain=void 0,t.enter()),n(e,t);for(;l.length;)e=l.pop(),n(e);a=!1}function n(e,n){try{e()}catch(r){if(s)throw n&&n.exit(),setTimeout(t,0),n&&n.enter(),r;setTimeout(function(){throw r},0)}n&&n.exit()}var r={task:void 0,next:null},i=r,a=!1,o=void 0

0,s=!1,l=[];if(W=function(t){i=i.next={task:t,domain:s&&e.domain,next:null},a||(a=!0,o())},"object"==typeof e&&"[object process]"===e.toString()&&e.nextTick)s=!0,o=function(){e.nextTick(t)};else if("function"==typeof setImmediate)o="undefined"!=typeof window?setImmediate.bind(window,t):function(){setImmediate(t)};else if("undefined"!=typeof MessageChannel){var u=new MessageChannel;u.port1.onmessage=function(){o=c,u.port1.onmessage=t,t()};var c=function(){u.port2.postMessage(0)};o=function(){setTimeout(t,0),c()}}else o=function(){setTimeout(t,0)};return W.runAfter=function(e){l.push(e),a||(a=!0,o())},W}(),Q=Function.call,G=t(Array.prototype.slice),K=t(Array.prototype.reduce||function(e,t){var n=0,r=this.length;if(1===arguments.length)for(;;){if(n in this){t=this[n++];break}if(++n>=r)throw new TypeError}for(;n<r;n++)n in this&&(t=e(t,this[n],n));return t}),X=t(Array.prototype.indexOf||function(e){for(var t=0;t<this.length;t++)if(this[t]===e)return t;return-1}),Z=t(Array.prototype.map||function(e,t){var n=this,r=[];return K(n,function(i,a,o){r.push(e.call(t,a,o,n))},void 0),r}),ee=Object.create||function(e){function t(){}return t.prototype=e,new t},te=t(Object.prototype.hasOwnProperty),ne=Object.keys||function(e){var t=[];for(var n in e)te(e,n)&&t.push(n);return t},re=t(Object.prototype.toString);H="undefined"!=typeof ReturnValue?ReturnValue:function(e){this.value=e};var ie="From previous event:";p.resolve=p,p.nextTick=W,p.longStackSupport=!1,"object"==typeof e&&e&&e.env&&e.env.Q_DEBUG&&(p.longStackSupport=!0),p.defer=h,h.prototype.makeNodeResolver=function(){var e=this;return function(t,n){t?e.reject(t):arguments.length>2?e.resolve(G(arguments,1)):e.resolve(n)}},p.Promise=f,p.promise=f,f.race=d,f.all=U,f.reject=E,f.resolve=p,p.passByCopy=function(e){return e},m.prototype.passByCopy=function(){return this},p.join=function(e,t){return p(e).join(t)},m.prototype.join=function(e){return p([this,e]).spread(function(e,t){if(e===t)return e;throw new Error("Can't join: not the same: "+e+" "+t)})},p.race=d,m.prototype.race=function(){return this.then(p.race)},p.makePromise=m,m.prototype.toString=function(){return"[object Promise]"},m.prototype.then=function(e,t,n){function r(t){try{return"function"==typeof e?e(t):t}catch(n){return E(n)}}function a(e){if("function"==typeof t){i(e,s);try{return t(e)}catch(n){return E(n)}}return E(e)}function o(e){return"function"==typeof n?n(e):e}var s=this,l=h(),u=!1;return p.nextTick(function(){s.promiseDispatch(function(e){u||(u=!0,l.resolve(r(e)))},"when",[function(e){u||(u=!0,l.resolve(a(e)))}])}),s.promiseDispatch(void 0,"when",[void 0,function(e){var t,n=!1;try{t=o(e)}catch(r){if(n=!0,!p.onerror)throw r;p.onerror(r)}n||l.notify(t)}]),l.promise},p.tap=function(e,t){return p(e).tap(t)},m.prototype.tap=function(e){return e=p(e),this.then(function(t){return e.fcall(t).thenResolve(t)})},p.when=g,m.prototype.thenResolve=function(e){return this.then(function(){return e})},p.thenResolve=function(e,t){return p(e).thenResolve(t)},m.prototype.thenReject=function(e){return this.then(function(){throw e})},p.thenReject=function(e,t){return p(e).thenReject(t)},p.nearer=y,p.isPromise=v,p.isPromiseAlike=b,p.isPending=w,m.prototype.isPending=function(){return"pending"===this.inspect().state},p.isFulfilled=_,m.prototype.isFulfilled=function(){return"fulfilled"===this.inspect().state},p.isRejected=x,m.prototype.isRejected=function(){return"rejected"===this.inspect().state};var ae=[],oe=[],se=[],le=!0;p.resetUnhandledRejections=A,p.getUnhandledReasons=function(){return ae.slice()},p.stopUnhandledRejectionTracking=function(){A(),le=!1},A(),p.reject=E,p.fulfill=O,p.master=T,p.spread=C,m.prototype.spread=function(e,t){return this.all().then(function(t){return e.apply(void 0,t)},t)},p.async=I,p.spawn=D,p["return"]=L,p.promised=M,p.dispatch=R,m.prototype.dispatch=function(e,t){var n=this,r=h();return p.nextTick(function(){n.promiseDispatch(r.resolve,e,t)}),r.promise},p.get=function(e,t){return p(e).dispatch("get",[t])},m.prototype.get=function(e){return this.dispatch("get",[e])},p.set=function(e,t,n){return p(e).dispatch("set",[t,n])},m.prototype.set=function(e,t){return this.dispatch("set",[e,t])},p.del=p["delete"]=function(e,t){return p(e).dispatch("delete",[t])},m.prototype.del=m.prototype["delete"]=function(e){return this.dispatch("delete",[e])},p.mapply=p.post=function(e,t,n){return

p(e).dispatch("post",[t,n])},m.prototype.mapply=m.prototype.post=function(e,t){return this.dispatch("post",[e,t])},p.send=p.mcall=p.invoke=function(e,t){return p(e).dispatch("post",[t,G(arguments,2)])},m.prototype.send=m.prototype.mcall=m.prototype.invoke=function(e){return this.dispatch("post",[e,G(arguments,1)])},p.fapply=function(e,t){return p(e).dispatch("apply",[void 0,t])},m.prototype.fapply=function(e){return this.dispatch("apply",[void 0,e])},p["try"]=p.fcall=function(e){return p(e).dispatch("apply",[void 0,G(arguments,1)])},m.prototype.fcall=function(){return this.dispatch("apply",[void 0,G(arguments)])},p.fbind=function(e){var t=p(e),n=G(arguments,1);return function(){return t.dispatch("apply",[this,n.concat(G(arguments))])}},m.prototype.fbind=function(){var e=this,t=G(arguments);return function(){return e.dispatch("apply",[this,t.concat(G(arguments))])}},p.keys=function(e){return p(e).dispatch("keys",[])},m.prototype.keys=function(){return this.dispatch("keys",[])},p.all=U,m.prototype.all=function(){return U(this)},p.any=P,m.prototype.any=function(){return P(this)},p.allResolved=c(q,"allResolved","allSettled"),m.prototype.allResolved=function(){return q(this)},p.allSettled=B,m.prototype.allSettled=function(){return this.then(function(e){return U(Z(e,function(e){function t(){return e.inspect()}return e=p(e),e.then(t,t)}))})},p.fail=p["catch"]=function(e,t){return p(e).then(void 0,t)},m.prototype.fail=m.prototype["catch"]=function(e){return this.then(void 0,e)},p.progress=N,m.prototype.progress=function(e){return this.then(void 0,void 0,e)},p.fin=p["finally"]=function(e,t){return p(e)["finally"](t)},m.prototype.fin=m.prototype["finally"]=function(e){return e=p(e),this.then(function(t){return e.fcall().then(function(){return t})},function(t){return e.fcall().then(function(){throw t})})},p.done=function(e,t,n,r){return p(e).done(t,n,r)},m.prototype.done=function(t,n,r){var a=function(e){p.nextTick(function(){if(i(e,o),!p.onerror)throw e;p.onerror(e)})},o=t||n||r?this.then(t,n,r):this;"object"==typeof e&&e&&e.domain&&(a=e.domain.bind(a)),o.then(void 0,a)},p.timeout=function(e,t,n){return p(e).timeout(t,n)},m.prototype.timeout=function(e,t){var n=h(),r=setTimeout(function(){t&&"string"!=typeof t||(t=new Error(t||"Timed out after "+e+" ms"),t.code="ETIMEDOUT"),n.reject(t)},e);return this.then(function(e){clearTimeout(r),n.resolve(e)},function(e){clearTimeout(r),n.reject(e)},n.notify),n.promise},p.delay=function(e,t){return void 0===t&&(t=e,e=void 0),p(e).delay(t)},m.prototype.delay=function(e){return this.then(function(t){var n=h();return setTimeout(function(){n.resolve(t)},e),n.promise})},p.nfapply=function(e,t){return p(e).nfapply(t)},m.prototype.nfapply=function(e){var t=h(),n=G(e);return n.push(t.makeNodeResolver()),this.fapply(n).fail(t.reject),t.promise},p.nfcall=function(e){var t=G(arguments,1);return p(e).nfapply(t)},m.prototype.nfcall=function(){var e=G(arguments),t=h();return e.push(t.makeNodeResolver()),this.fapply(e).fail(t.reject),t.promise},p.nfbind=p.denodeify=function(e){var t=G(arguments,1);return function(){var n=t.concat(G(arguments)),r=h();return n.push(r.makeNodeResolver()),p(e).fapply(n).fail(r.reject),r.promise}},m.prototype.nfbind=m.prototype.denodeify=function(){var e=G(arguments);return e.unshift(this),p.denodeify.apply(void 0,e)},p.nbind=function(e,t){var n=G(arguments,2);return function(){function r(){return e.apply(t,arguments)}var i=n.concat(G(arguments)),a=h();return i.push(a.makeNodeResolver()),p(r).fapply(i).fail(a.reject),a.promise}},m.prototype.nbind=function(){var e=G(arguments,0);return e.unshift(this),p.nbind.apply(void 0,e)},p.nmapply=p.npost=function(e,t,n){return p(e).npost(t,n)},m.prototype.nmapply=m.prototype.npost=function(e,t){var n=G(t||[]),r=h();return n.push(r.makeNodeResolver()),this.dispatch("post",[e,n]).fail(r.reject),r.promise},p.nsend=p.nmcall=p.ninvoke=function(e,t){var n=G(arguments,2),r=h();return n.push(r.makeNodeResolver()),p(e).dispatch("post",[t,n]).fail(r.reject),r.promise},m.prototype.nsend=m.prototype.nmcall=m.prototype.ninvoke=function(e){var t=G(arguments,1),n=h();return t.push(n.makeNodeResolver()),this.dispatch("post",[e,t]).fail(n.reject),n.promise},p.nodeify=z,m.prototype.nodeify=

function(e){return e?void this.then(function(t){p.nextTick(function(){e(null,t)})},function(t){p.nextTick(function(){e(t)})}):this},p.noConflict =function(){throw new Error("Q.noConflict only works when Q is used as a global")};var ue=u();return p})}).call(this,e("_process"))},{_process:12}],158:[function(e,t,n){function r(){}function i(e){if(!y(e))return e;var t=[];for(var n in e)a(t,n,e[n]);return t.join("&")}function a(e,t,n){if(null!=n)if(Array.isArray(n))n.forEach(function(n){a(e,t,n)});else if(y(n))for(var r in n)a(e,t+"["+r+"]",n[r]);else e.push(encodeURIComponent(t)+"="+encodeURIComponent(n));else null===n&&e.push(encodeURIComponent(t))}function o(e){for(var t,n,r={},i=e.split("&"),a=0,o=i.length;a<o;++a)t=i[a],n=t.indexOf("="),n==-1?r[decodeURIComponent(t)]="":r[decodeURIComponent(t.slice(0,n))]=decodeURIComponent(t.slice(n+1));return r}function s(e){var t,n,r,i,a=e.split(/\r?\n/),o={};a.pop();for(var s=0,l=a.length;s<l;++s)n=a[s],t=n.indexOf(":"),r=n.slice(0,t).toLowerCase(),i=b(n.slice(t+1)),o[r]=i;return o}function l(e){return/[\/+]json\b/.test(e)}function u(e){return e.split(/ *; */).shift()}function c(e){return e.split(/ *; */).reduce(function(e,t){var n=t.split(/ *= */),r=n.shift(),i=n.shift();return r&&i&&(e[r]=i),e},{})}function p(e,t){t=t||{},this.req=e,this.xhr=this.req.xhr,this.text="HEAD"!=this.req.method&&(""===this.xhr.responseType||"text"===this.xhr.responseType)||"undefined"==typeof this.xhr.responseType?this.xhr.responseText:null,this.statusText=this.req.xhr.statusText,this._setStatusProperties(this.xhr.status),this.header=this.headers=s(this.xhr.getAllResponseHeaders()),this.header["content-type"]=this.xhr.getResponseHeader("content-type"),this._setHeaderProperties(this.header),this.body="HEAD"!=this.req.method?this._parseBody(this.text?this.text:this.xhr.response):null}function h(e,t){var n=this;this._query=this._query||[],this.method=e,this.url=t,this.header={},this._header={},this.on("end",function(){var e=null,t=null;try{t=new p(n)}catch(r){return e=new Error("Parser is unable to parse the response"),e.parse=!0,e.original=r,e.rawResponse=n.xhr&&n.xhr.responseText?n.xhr.responseText:null,e.statusCode=n.xhr&&n.xhr.status?n.xhr.status:null,n.callback(e)}n.emit("response",t);var i;try{(t.status<200||t.status>=300)&&(i=new Error(t.statusText||"Unsuccessful HTTP response"),i.original=e,i.response=t,i.status=t.status)}catch(r){i=r}i?n.callback(i,t):n.callback(null,t)})}function f(e,t){var n=v("DELETE",e);return t&&n.end(t),n}var d;"undefined"!=typeof window?d=window:"undefined"!=typeof self?d=self:(console.warn("Using browser-only version of superagent in non-browser environment"),d=this);var m=e("emitter"),g=e("./request-base"),y=e("./is-object"),v=t.exports=e("./request").bind(null,h);v.getXHR=function(){if(!(!d.XMLHttpRequest||d.location&&"file:"==d.location.protocol&&d.ActiveXObject))return new XMLHttpRequest;try{return new ActiveXObject("Microsoft.XMLHTTP")}catch(e){}try{return new ActiveXObject("Msxml2.XMLHTTP.6.0")}catch(e){}try{return new ActiveXObject("Msxml2.XMLHTTP.3.0")}catch(e){}try{return new ActiveXObject("Msxml2.XMLHTTP")}catch(e){}throw Error("Browser-only verison of superagent could not find XHR")};var b="".trim?function(e){return e.trim()}:function(e){return e.replace(/(^\s*|\s*$)/g,"")};v.serializeObject=i,v.parseString=o,v.types={html:"text/html",json:"application/json",xml:"application/xml",urlencoded:"application/x-www-form-urlencoded",form:"application/x-www-form-urlencoded","form-data":"application/x-www-form-urlencoded"},v.serialize={"application/x-www-form-urlencoded":i,"application/json":JSON.stringify},v.parse={"application/x-www-form-urlencoded":o,"application/json":JSON.parse},p.prototype.get=function(e){return this.header[e.toLowerCase()]},p.prototype._setHeaderProperties=function(e){var t=this.header["content-type"]||"";this.type=u(t);var n=c(t);for(var r in n)this[r]=n[r]},p.prototype._parseBody=function(e){var t=v.parse[this.type];return!t&&l(this.type)&&(t=v.parse["application/json"]),t&&e&&(e.length||e instanceof Object)?t(e):null},p.prototype._setStatusProperties=function(e){1223===e&&(e=204);var t=e/100|0;this.status=this.statusCode=e,this.statusType=t,this.info=1==t,this.ok=2==t,this.clientError=4==t,this.serverError=5==t,this.error=(4==t||5==t)&&this.toError(),this.accepted=202==e,this.noContent=204==e,this.badReques

t=400==e,this.unauthorized=401==e,this.notAcceptable=406==e,this.notFound=404==e,this.forbidden=403==e},p.
prototype.toError=function(){var e=this.req,t=e.method,n=e.url,r="cannot "+t+" "+n+" ("+this.status+")",i=new
Error(r);

return i.status=this.status,i.method=t,i.url=n,i},v.Response=p,m(h.prototype);for(var w in
g)h.prototype[w]=g[w];h.prototype.type=function(e){return this.set("Content-
Type",v.types[e]||e),this},h.prototype.responseType=function(e){return
this._responseType=e,this},h.prototype.accept=function(e){return
this.set("Accept",v.types[e]||e),this},h.prototype.auth=function(e,t,n){switch(n||(n={type:"basic"}),n.type){case"basi
c":var r=btoa(e+":"+t);this.set("Authorization","Basic "+r);break;case"auto":this.username=e,this.password=t}return
this},h.prototype.query=function(e){return"string"!=typeof
e&&(e=i(e)),e&&this._query.push(e),this},h.prototype.attach=function(e,t,n){return
this._getFormData().append(e,t,n||t.name),this},h.prototype._getFormData=function(){return
this._formData||(this._formData=new d.FormData),this._formData},h.prototype.callback=function(e,t){var
n=this._callback;this.clearTimeout(),n(e,t)},h.prototype.crossDomainError=function(){var e=new Error("Request
has been terminated\nPossible causes: the network is offline, Origin is not allowed by Access-Control-Allow-Origin,
the page is being unloaded,
etc.");e.crossDomain=!0,e.status=this.status,e.method=this.method,e.url=this.url,this.callback(e)},h.prototype._time
outError=function(){var e=this._timeout,t=new Error("timeout of "+e+"ms
exceeded");t.timeout=e,this.callback(t)},h.prototype._appendQueryString=function(){var
e=this._query.join("&");e&&(this.url+=~this.url.indexOf("?")?"&"+e:"?"+e)},h.prototype.end=function(e){var
t=this,n=this.xhr=v.getXHR(),i=this._timeout,a=this._formData||this._data;this._callback=e||r,n.onreadystatechange
=function(){if(4==n.readyState){var e;try{e=n.status}catch(r){e=0}if(0==e){if(t.timedout)return
t._timeoutError();if(t._aborted)return;return t.crossDomainError()}t.emit("end")}};var
o=function(e){e.total>0&&(e.percent=e.loaded/e.total*100),e.direction="download",t.emit("progress",e)};this.hasLi
steners("progress")&&(n.onprogress=o);try{n.upload&&this.hasListeners("progress")&&(n.upload.onprogress=o)}
catch(s){}if(i&&!this._timer&&(this._timer=setTimeout(function(){t.timedout=!0,t.abort()},i)),this._appendQueryS
tring(),this.username&&this.password?n.open(this.method,this.url,!0,this.username,this.password):n.open(this.meth
od,this.url,!0)),this._withCredentials&&(n.withCredentials=!0),"GET"!=this.method&&"HEAD"!=this.method&&"s
tring"!=typeof a&&!this._isHost(a)){var u=this._header["content-
type"],c=this._serializer||v.serialize[u?u.split(";")[0]:""];!c&&l(u)&&(c=v.serialize["application/json"]),c&&(a=c(a)
)}for(var p in this.header)null!=this.header[p]&&n.setRequestHeader(p,this.header[p]);return
this._responseType&&(n.responseType=this._responseType),this.emit("request",this),n.send("undefined"!=typeof
a?a:null),this},v.Request=h,v.get=function(e,t,n){var r=v("GET",e);return"function"==typeof
t&&(n=t,t=null),t&&r.query(t),n&&r.end(n),r},v.head=function(e,t,n){var
r=v("HEAD",e);return"function"==typeof
t&&(n=t,t=null),t&&r.send(t),n&&r.end(n),r},v.options=function(e,t,n){var
r=v("OPTIONS",e);return"function"==typeof
t&&(n=t,t=null),t&&r.send(t),n&&r.end(n),r},v.del=f,v["delete"]=f,v.patch=function(e,t,n){var
r=v("PATCH",e);return"function"==typeof
t&&(n=t,t=null),t&&r.send(t),n&&r.end(n),r},v.post=function(e,t,n){var r=v("POST",e);return"function"==typeof
t&&(n=t,t=null),t&&r.send(t),n&&r.end(n),r},v.put=function(e,t,n){var r=v("PUT",e);return"function"==typeof
t&&(n=t,t=null),t&&r.send(t),n&&r.end(n),r}},{"./is-object":159,"./request":161,"./request-
base":160,emitter:162}],159:[function(e,t,n){function r(e){return null!==e&&"object"==typeof
e}t.exports=r},{}],160:[function(e,t,n){var r=e("./is-object");n.clearTimeout=function(){return
this._timeout=0,clearTimeout(this._timer),this},n.parse=function(e){return
this._parser=e,this},n.serialize=function(e){return this._serializer=e,this},n.timeout=function(e){return
this._timeout=e,this},n.then=function(e,t){if(!this._fullfilledPromise){var n=this;this._fullfilledPromise=new
Promise(function(e,t){n.end(function(n,r){n?t(n):e(r)})})}return

this._fullfilledPromise.then(e,t)},n.use=function(e){return e(this),this},n.get=function(e){return this._header[e.toLowerCase()]},n.getHeader=n.get,n.set=function(e,t){if(r(e)){for(var n in e)this.set(n,e[n]);return this}return this._header[e.toLowerCase()]=t,this.header[e]=t,this},n.unset=function(e){return delete this._header[e.toLowerCase()],delete this.header[e],this},n.field=function(e,t){return this._getFormData().append(e,t),this},n.abort=function(){return this._aborted?this:(this._aborted=!0,this.xhr&&this.xhr.abort(),this.req&&this.req.abort(),this.clearTimeout(),this.emit("abort"),this)},n.withCredentials=function(){return this._withCredentials=!0,this},n.redirects=function(e){return this._maxRedirects=e,this},n.toJSON=function(){return{method:this.method,url:this.url,data:this._data,headers:this._header}},n._isHost=function(e){var t={}.toString.call(e);switch(t){case"[object File]":case"[object Blob]":case"[object FormData]":return!0;default:return!1}},n.send=function(e){var t=r(e),n=this._header["content-type"];if(t&&r(this._data))for(var i in e)this._data[i]=e[i];else"string"==typeof e?(n||this.type("form"),n=this._header["content-type"],"application/x-www-form-urlencoded"==n?this._data=this._data?this._data+"&"+e:e:this._data=(this._data||"")+e):this._data=e;return!t||this._isHost(e)?this:(n||this.type("json"),this)}},{"./is-object":159}],161:[function(e,t,n){function r(e,t,n){return"function"==typeof n?new e("GET",t).end(n):2==arguments.length?new e("GET",t):new e(t,n)}t.exports=r},{}],162:[function(e,t,n){function r(e){if(e)return i(e)}function i(e){for(var t in r.prototype)e[t]=r.prototype[t];return e}"undefined"!=typeof t&&(t.exports=r),r.prototype.on=r.prototype.addEventListener=function(e,t){return this._callbacks=this._callbacks||{},(this._callbacks["$"+e]=this._callbacks["$"+e]||[]).push(t),this},r.prototype.once=function(e,t){function n(){this.off(e,n),t.apply(this,arguments)}return n.fn=t,this.on(e,n),this},r.prototype.off=r.prototype.removeListener=r.prototype.removeAllListeners=r.prototype.removeEventListener=function(e,t){if(this._callbacks=this._callbacks||{},0==arguments.length)return this._callbacks={},this;var n=this._callbacks["$"+e];if(!n)return this;if(1==arguments.length)return delete this._callbacks["$"+e],this;for(var r,i=0;i<n.length;i++)if(r=n[i],r===t||r.fn===t){n.splice(i,1);break}return this},r.prototype.emit=function(e){this._callbacks=this._callbacks||{};var t=[].slice.call(arguments,1),n=this._callbacks["$"+e];if(n){n=n.slice(0);for(var r=0,i=n.length;r<i;++r)n[r].apply(this,t)}return this},r.prototype.listeners=function(e){return this._callbacks=this._callbacks||{},this._callbacks["$"+e]||[]},r.prototype.hasListeners=function(e){return!!this.listeners(e).length}},{}]},{},[1])(1)}),window.SwaggerUi=Backbone.Router.extend({dom_id:"swagger_ui",options:null,api:null,headerView:null,mainView:null,initialize:function(e){e=e||{},"model"!==e.defaultModelRendering&&(e.defaultModelRendering="schema"),e.highlightSizeThreshold||(e.highlightSizeThreshold=1e5),e.dom_id&&(this.dom_id=e.dom_id,delete e.dom_id),e.supportedSubmitMethods||(e.supportedSubmitMethods=["get","put","post","delete","head","options","patch"]),"string"==typeof e.oauth2RedirectUrl&&(window.oAuthRedirectUrl=e.oauth2RedirectUrl),$("#"+this.dom_id).length||$("body").append('<div id="'+this.dom_id+'"></div>'),this.options=e,marked.setOptions({gfm:!0});var t=this;this.options.success=function(){return t.render()},this.options.progress=function(e){return t.showMessage(e)},this.options.failure=function(e){return t.onLoadFailure(e)},this.headerView=new SwaggerUi.Views.HeaderView({el:$("#header")}),this.headerView.on("update-swagger-ui",function(e){return t.updateSwaggerUi(e)}),JSONEditor.defaults.iconlibs.swagger=JSONEditor.AbstractIconLib.extend({mapping:{collapse:"collapse",expand:"expand"},icon_prefix:"swagger-"})},setOption:function(e,t){this.options[e]=t},getOption:function(e){return this.options[e]},updateSwaggerUi:function(e){this.options.url=e.url,this.load()},load:function(){this.mainView&&this.mainView.clear(),this.authView&&this.authView.remove();var e=this.options.url;e&&0!==e.indexOf("http")&&(e=this.buildUrl(window.location.href.toString(),e)),this.api&&(this.options.authorizations=this.api.clientAuthorizations.authz),this.options.url=e,this.headerView.update(e),this.api=new

SwaggerClient(this.options)},collapseAll:function(){Docs.collapseEndpointListForResource("")},listAll:function(){Docs.collapseOperationsForResource("")},expandAll:function(){Docs.expandOperationsForResource("")},render:function(){var e;switch(this.showMessage("Finished Loading Resource Information. Rendering Swagger UI..."),this.mainView=new SwaggerUi.Views.MainView({model:this.api,el:$("#"+this.dom_id),swaggerOptions:this.options,router:this}).render(),_.isEmpty(this.api.securityDefinitions)||(e=_.map(this.api.securityDefinitions,function(e,t){var n={};return n[t]=e,n})),this.authView=new SwaggerUi.Views.AuthButtonView({data:SwaggerUi.utils.parseSecurityDefinitions(e),router:this}),$("#auth_container").append(this.authView.render().el)),this.showMessage(),this.options.docExpansion){case"full":this.expandAll();break;case"list":this.listAll()}this.renderGFM(),this.options.onComplete&&this.options.onComplete(this.api,this),setTimeout(Docs.shebang.bind(this),100)},buildUrl:function(e,t){if(0===t.indexOf("/")){var n=e.split("/");return e=n[0]+"//"+n[2],e+t}var r=e.length;return e.indexOf("?")>-1&&(r=Math.min(r,e.indexOf("?"))),e.indexOf("#")>-1&&(r=Math.min(r,e.indexOf("#"))),e=e.substring(0,r),e.indexOf("/",e.length-1)!==-1?e+t:e+"/"+t},showMessage:function(e){void 0===e&&(e="");var t=$("#message-bar");t.removeClass("message-fail"),t.addClass("message-success"),t.text(e),window.SwaggerTranslator&&window.SwaggerTranslator.translate(t)},onLoadFailure:function(e){void 0===e&&(e=""),$("#message-bar").removeClass("message-success"),$("#message-bar").addClass("message-fail");var t=$("#message-bar").text(e);return this.options.onFailure&&this.options.onFailure(e),t},renderGFM:function(){$(".markdown").each(function(){$(this).html(marked($(this).html()))}),$(".propDesc",".model-signature .description").each(function(){$(this).html(marked($(this).html())).addClass("markdown")})}}),window.SwaggerUi.Views={},window.SwaggerUi.Models={},window.SwaggerUi.Collections={},window.SwaggerUi.partials={},window.SwaggerUi.utils={},function(){function e(e){"console"in window&&"function"==typeof window.console.warn&&console.warn(e)}window.authorizations={add:function(){if(e("Using window.authorizations is deprecated. Please use SwaggerUi.api.clientAuthorizations.add()."),"undefined"==typeof window.swaggerUi)throw new TypeError("window.swaggerUi is not defined");window.swaggerUi instanceof SwaggerUi&&window.swaggerUi.api.clientAuthorizations.add.apply(window.swaggerUi.api.clientAuthorizations,arguments)}},window.ApiKeyAuthorization=function(){e("window.ApiKeyAuthorization is deprecated. Please use SwaggerClient.ApiKeyAuthorization."),SwaggerClient.ApiKeyAuthorization.apply(window,arguments)},window.PasswordAuthorization=function(){e("window.PasswordAuthorization is deprecated. Please use SwaggerClient.PasswordAuthorization."),SwaggerClient.PasswordAuthorization.apply(window,arguments)}}(),function(e,t){"function"==typeof define&&define.amd?define(["b"],function(n){return e.SwaggerUi=t(n)}):"object"==typeof exports?module.exports=t(require("b")):e.SwaggerUi=t(e.b)}(this,function(){return SwaggerUi}),window.SwaggerUi.utils={parseSecurityDefinitions:function(e){var t=Object.assign({},window.swaggerUi.api.authSchemes||window.swaggerUi.api.securityDefinitions),n=[],r=[],i=[],a=window.SwaggerUi.utils;return Array.isArray(e)?(e.forEach(function(e){var o={},s={};for(var l in e)if(Array.isArray(e[l])){if(!t[l])continue;if(t[l]=t[l]||{},"oauth2"===t[l].type){s[l]=Object.assign({},t[l]),s[l].scopes=Object.assign({},t[l].scopes);for(var u in s[l].scopes)e[l].indexOf(u)<0&&delete s[l].scopes[u];s[l].scopes=a.parseOauth2Scopes(s[l].scopes),i=_.merge(i,s[l].scopes)}else o[l]=Object.assign({},t[l])}else"oauth2"===e[l].type?(s[l]=Object.assign({},e[l]),s[l].scopes=a.parseOauth2Scopes(s[l].scopes),i=_.merge(i,s[l].scopes)):o[l]=e[l];_.isEmpty(o)||r.push(o),_.isEmpty(s)||n.push(s)}),{auths:r,oauth2:n,scopes:i}):null},parseOauth2Scopes:function(e){var t,n=Object.assign({},e),r=[];for(t in n)r.push({scope:t,description:n[t]});return r},sanitize:function(e){return e=e.replace(/<script\b[^<]*(?:(?!<\/script>)<[^<]*)*<\/script>/gi,""),e=e.replace(/(on\w+="[^"]*")*(on\w+='[^']*')*(on\w+=\w*\(\w*\))*/gi,"")}},SwaggerUi.Models.ApiKeyAuthModel=Backbone.Model.extend({defaults:{"in":"",name:"",title:"",value:""},initialize:function(){this.on("change",this.validate)},validate:function(){var e=!!this.get("value");return

this.set("valid",e),e}})),SwaggerUi.Views.ApiKeyAuthView=Backbone.View.extend({events:{"change .input_apiKey_entry":"apiKeyChange"},selectors:{apikeyInput:".input_apiKey_entry"},template:Handlebars.templates.apikey_auth,initialize:function(e){this.options=e||{},this.router=this.options.router},render:function(){return this.$el.html(this.template(this.model.toJSON())),this},apiKeyChange:function(e){var t=$(e.target).val();t&&this.$(this.selectors.apikeyInput).removeClass("error"),this.model.set("value",t)},isValid:function(){return this.model.validate()},highlightInvalid:function(){this.isValid()||this.$(this.selectors.apikeyInput).addClass("error")} }),SwaggerUi.Views.AuthButtonView=Backbone.View.extend({events:{"click .authorize__btn":"authorizeBtnClick"},tpls:{popup:Handlebars.templates.popup,authBtn:Handlebars.templates.auth_button,authBtnOperation:Handlebars.templates.auth_button_operation},initialize:function(e){this.options=e||{},this.options.data=this.options.data||{},this.isOperation=this.options.isOperation,this.model=this.model||{},this.router=this.options.router,this.auths=this.options.data.oauth2.concat(this.options.data.auths)},render:function(){var e=this.isOperation?"authBtnOperation":"authBtn";return this.$authEl=this.renderAuths(this.auths),this.$el.html(this.tpls[e](this.model)),this},authorizeBtnClick:function(e){var t;e.preventDefault(),t={title:"Available authorizations",content:this.$authEl},this.render(),this.popup=new SwaggerUi.Views.PopupView({model:t}),this.popup.render()},renderAuths:function(e){var t=$("<div>"),n=!1;return e.forEach(function(e){var r=new SwaggerUi.Views.AuthView({data:e,router:this.router}),i=r.render().el;t.append(i),r.isLogout&&(n=!0)},this),this.model.isLogout=n,t}}),SwaggerUi.Collections.AuthsCollection=Backbone.Collection.extend({constructor:function(){var e=Array.prototype.slice.call(arguments);e[0]=this.parse(e[0]),Backbone.Collection.apply(this,e)},add:function(e){var t=Array.prototype.slice.call(arguments);Array.isArray(e)?t[0]=_.map(e,function(e){return this.handleOne(e)},this):t[0]=this.handleOne(e),Backbone.Collection.prototype.add.apply(this,t)},handleOne:function(e){var t=e;if(!(e instanceof Backbone.Model))switch(e.type){case"oauth2":t=new SwaggerUi.Models.Oauth2Model(e);break;case"basic":t=new SwaggerUi.Models.BasicAuthModel(e);break;case"apiKey":t=new SwaggerUi.Models.ApiKeyAuthModel(e);break;default:t=new Backbone.Model(e)}return t},isValid:function(){var e=!0;return this.models.forEach(function(t){t.validate()||(e=!1)}),e},isAuthorized:function(){return this.length===this.where({isLogout:!0}).length},isPartiallyAuthorized:function(){return this.where({isLogout:!0}).length>0},parse:function(e){var t=Object.assign({},window.swaggerUi.api.clientAuthorizations.authz);return _.map(e,function(e,n){var r=t[n]&&"basic"===e.type&&t[n].username&&t[n].password;return _.extend(e,{title:n}),(t[n]||r)&&_.extend(e,{isLogout:!0,value:r?void 0:t[n].value,username:r?t[n].username:void 0,password:r?t[n].password:void 0,valid:!0}),e})}}),SwaggerUi.Views.AuthsCollectionView=Backbone.View.extend({initialize:function(e){this.options=e||{},this.options.data=this.options.data||{},this.router=this.options.router,this.collection=new SwaggerUi.Collections.AuthsCollection(e.data),this.$innerEl=$("<div>"),this.authViews=[]},render:function(){return this.collection.each(function(e){this.renderOneAuth(e)},this),this.$el.html(this.$innerEl.html()?this.$innerEl:""),this},renderOneAuth:function(e){var t,n,r,i=e.get("type");"apiKey"===i?r="ApiKeyAuthView":"basic"===i&&0===this.$innerEl.find(".basic_auth_container").length?r="BasicAuthView":"oauth2"===i&&(r="Oauth2View"),r&&(n=new SwaggerUi.Views[r]({model:e,router:this.router}),t=n.render().el,this.authViews.push(n),this.$innerEl.append(t)},highlightInvalid:function(){this.authViews.forEach(function(e){e.highlightInvalid()},this)}}),SwaggerUi.Views.AuthView=Backbone.View.extend({events:{"click .auth_submit__button":"authorizeClick","click .auth_logout__button":"logoutClick"},tpls:{main:Handlebars.templates.auth_view},selectors:{innerEl:".auth_inner",authBtn:".auth_submit__button"},initialize:function(e){this.options=e||{},e.data=e.data||{},this.router=this.options.router,this.authsCollectionView=new

SwaggerUi.Views.AuthsCollectionView({data:e.data}),this.$el.html(this.tpls.main({isLogout:this.authsCollectionView.collection.isAuthorized(),isAuthorized:this.authsCollectionView.collection.isPartiallyAuthorized()})),this.$innerEl=this.$(this.selectors.innerEl),this.isLogout=this.authsCollectionView.collection.isPartiallyAuthorized()},render:function(){return this.$innerEl.html(this.authsCollectionView.render().el),this},authorizeClick:function(e){e.preventDefault(),e.stopPropagation(),this.authsCollectionView.collection.isValid()?this.authorize():this.authsCollectionView.highlightInvalid()},authorize:function(){this.authsCollectionView.collection.forEach(function(e){var t,n,r=e.get("type");"apiKey"===r?(t=new SwaggerClient.ApiKeyAuthorization(e.get("name"),e.get("value"),e.get("in")),this.router.api.clientAuthorizations.add(e.get("title"),t)):"basic"===r?(n=new SwaggerClient.PasswordAuthorization(e.get("username"),e.get("password")),this.router.api.clientAuthorizations.add(e.get("title"),n)):"oauth2"===r&&this.handleOauth2Login(e)},this),this.router.load()},logoutClick:function(e){e.preventDefault(),this.authsCollectionView.collection.forEach(function(e){window.swaggerUi.api.clientAuthorizations.remove(e.get("title"))}),this.router.load()},handleOauth2Login:function(e){var t,n,r,i=window.location,a=location.pathname.substring(0,location.pathname.lastIndexOf("/")),o=i.protocol+"//"+i.host+a+"/o2c.html",s=window.oAuthRedirectUrl||o,l=null,u=_.map(e.get("scopes"),function(e){return e.scope});window.OAuthSchemeKey=e.get("title"),window.enabledScopes=u;var c=e.get("flow");if("oauth2"!==e.get("type")||!c||"implicit"!==c&&"accessCode"!==c){if("oauth2"===e.get("type")&&c&&"application"===c)return n=e.attributes,window.swaggerUi.tokenName=n.tokenName||"access_token",void this.clientCredentialsFlow(u,n.tokenUrl,window.OAuthSchemeKey);if(e.get("grantTypes")){var p=e.get("grantTypes");for(var h in p)p.hasOwnProperty(h)&&"implicit"===h?(n=p[h],r=n.loginEndpoint.url,l=n.loginEndpoint.url+"?response_type=token",window.swaggerUi.tokenName=n.tokenName):p.hasOwnProperty(h)&&"accessCode"===h&&(n=p[h],r=n.tokenRequestEndpoint.url,l=n.tokenRequestEndpoint.url+"?response_type=code",window.swaggerUi.tokenName=n.tokenName)}}else n=e.attributes,l=n.authorizationUrl+"?response_type="+("implicit"===c?"token":"code"),window.swaggerUi.tokenName=n.tokenName||"access_token",window.swaggerUi.tokenUrl="accessCode"===c?n.tokenUrl:null,t=window.OAuthSchemeKey;redirect_uri=s,l+="&redirect_uri="+encodeURIComponent(s),l+="&realm="+encodeURIComponent(realm),l+="&client_id="+encodeURIComponent(clientId),l+="&scope="+encodeURIComponent(u.join(scopeSeparator)),l+="&state="+encodeURIComponent(t);for(var f in additionalQueryStringParams)l+="&"+f+"="+encodeURIComponent(additionalQueryStringParams[f]);window.open(l)},clientCredentialsFlow:function(e,t,n){var r={client_id:clientId,client_secret:clientSecret,scope:e.join(" "),grant_type:"client_credentials"};$.ajax({url:t,type:"POST",data:r,success:function(e){onOAuthComplete(e,n)},error:function(){onOAuthComplete("")}})})}}),SwaggerUi.Models.BasicAuthModel=Backbone.Model.extend({defaults:{username:"",password:"",title:"basic"},initialize:function(){this.on("change",this.validate)},validate:function(){var e=!!this.get("password")&&!!this.get("username");return this.set("valid",e),e}}),SwaggerUi.Views.BasicAuthView=Backbone.View.extend({initialize:function(e){this.options=e||{},this.router=this.options.router},events:{"change .auth_input":"inputChange"},selectors:{usernameInput:".basic_auth__username",passwordInput:".basic_auth__password"},cls:{error:"error"},template:Handlebars.templates.basic_auth,render:function(){return $(this.el).html(this.template(this.model.toJSON())),this},inputChange:function(e){var t=$(e.target),n=t.val(),r=t.prop("name");n&&t.removeClass(this.cls.error),this.model.set(r,n)},isValid:function(){return this.model.validate()},highlightInvalid:function(){this.model.get("username")||this.$(this.selectors.usernameInput).addClass(this.cls.error)}}),SwaggerUi.Views.ContentTypeView=Backbone.View.extend({initialize:function(){},render:function(){return this.model.contentTypeId="ct"+Math.random(),$(this.el).html(Handlebars.templates.content_type(this.model)),this}}),SwaggerUi.Views.HeaderView=Backbone.View.extend({events:{"click #show-pet-store-

icon":"showPetStore","click #explore":"showCustom","submit #api_selector":"showCustom","keyup #input_baseUrl":"showCustomOnKeyup","keyup #input_apiKey":"showCustomOnKeyup"},initialize:function(){},showPetStore:function(){this.trigger("update-swagger-ui",{url:"http://petstore.swagger.io/v2/swagger.json"})},showCustomOnKeyup:function(e){13===e.keyCode&&this.showCustom()},showCustom:function(e){e&&e.preventDefault(),this.trigger("update-swagger-ui",{url:$("#input_baseUrl").val()})},update:function(e,t,n){void 0===n&&(n=!1),$("#input_baseUrl").val(e),n&&this.trigger("update-swagger-ui",{url:e})}}),SwaggerUi.Views.MainView=Backbone.View.extend({apisSorter:{alpha:function(e,t){return e.name.localeCompare(t.name)}},operationsSorters:{alpha:function(e,t){return e.path.localeCompare(t.path)},method:function(e,t){return e.method.localeCompare(t.method)}},initialize:function(e){var t,n,r,i;if(e=e||{},this.router=e.router,e.swaggerOptions.apisSorter&&(t=e.swaggerOptions.apisSorter,n=_.isFunction(t)?t:this.apisSorter[t],_.isFunction(n)&&this.model.apisArray.sort(n)),e.swaggerOptions.operationsSorter&&(t=e.swaggerOptions.operationsSorter,n=_.isFunction(t)?t:this.operationsSorters[t],_.isFunction(n)))for(r in this.model.apisArray)this.model.apisArray[r].operationsArray.sort(n);this.model.auths=[];for(r in this.model.securityDefinitions)i=this.model.securityDefinitions[r],this.model.auths.push({name:r,type:i.type,value:i});"validatorUrl"in e.swaggerOptions?this.model.validatorUrl=e.swaggerOptions.validatorUrl:this.model.url.indexOf("localhost")>0||this.model.url.indexOf("127.0.0.1")>0?this.model.validatorUrl=null:this.model.validatorUrl="//online.swagger.io/validator";var a;for(a in this.model.definitions)this.model.definitions[a].type||(this.model.definitions[a].type="object")},render:function(){$(this.el).html(Handlebars.templates.main(this.model)),this.info=this.$(".info")[0],this.info&&this.info.addEventListener("click",this.onLinkClick,!0),this.model.securityDefinitions=this.model.securityDefinitions||{};for(var e={},t=0,n=0;n<this.model.apisArray.length;n++){for(var r=this.model.apisArray[n],i=r.name;"undefined"!=typeof e[i];)i=i+"_"+t,t+=1;r.id=sanitizeHtml(i),e[i]=r,this.addResource(r,this.model.auths)}return $(".propWrap").hover(function(){$(".optionsWrapper",$(this)).show()},function(){$(".optionsWrapper",$(this)).hide()}),this},addResource:function(e,t){e.id=e.id.replace(/\s/g,"_"),e.definitions=this.model.definitions;var n=new SwaggerUi.Views.ResourceView({model:e,router:this.router,tagName:"li",id:"resource_"+e.id,className:"resource",auths:t,swaggerOptions:this.options.swaggerOptions});$("#resources",this.el).append(n.render().el)},clear:function(){$(this.el).html("")},onLinkClick:function(e){var t=e.target;"A"===t.tagName&&t.href&&!t.target&&(e.preventDefault(),window.open(t.href,"_blank"))}}),SwaggerUi.Models.Oauth2Model=Backbone.Model.extend({defaults:{scopes:{}},initialize:function(){this.on("change",this.validate)},setScopes:function(e,t){var n=_.extend({},this.attributes),r=_.findIndex(n.scopes,function(t){return t.scope===e});n.scopes[r].checked=t,this.set(n),this.validate()},validate:function(){var e=!1,t=this.get("scopes"),n=_.findIndex(t,function(e){return e.checked===!0});return t.length>0&&n>=0&&(e=!0),0===t.length&&(e=!0),this.set("valid",e),e}}),SwaggerUi.Views.Oauth2View=Backbone.View.extend({events:{"change .oauth-scope":"scopeChange"},template:Handlebars.templates.oauth2,render:function(){return this.$el.html(this.template(this.model.toJSON())),this},scopeChange:function(e){var t=$(e.target).prop("checked"),n=$(e.target).data("scope");this.model.setScopes(n,t)}}),SwaggerUi.Views.OperationView=Backbone.View.extend({invocationUrl:null,events:{"submit .sandbox":"submitOperation","click .submit":"submitOperation","click .response_hider":"hideResponse","click .toggleOperation":"toggleOperationContent","mouseenter .api-ic":"mouseEnter","dblclick .curl":"selectText","change [name=responseContentType]":"showSnippet"},initialize:function(e){return e=e||{},this.router=e.router,this.auths=e.auths,this.parentId=this.model.parentId,this.nickname=this.model.nickname,this.model.encodedParentId=encodeURIComponent(this.parentId),e.swaggerOptions&&(this.model.defaultRendering=e.swaggerOptions.defaultModelRendering,e.swaggerOptions.showRequestHeaders&&(this.model.showRequest

Headers=!0)),this},selectText:function(e){var t,n,r=document,i=e.target.firstChild;r.body.createTextRange?(t=document.body.createTextRange(),t.moveToElementText(i),t.select()):window.getSelection&&(n=window.getSelection(),t=document.createRange(),t.selectNodeContents(i),n.removeAllRanges(),n.addRange(t))},mouseEnter:function(e){var t=$(this.el).find(".content"),n=e.pageX,r=e.pageY,i=$(window).scrollLeft(),a=$(window).scrollTop(),o=i+$(window).width(),s=a+$(window).height(),l=t.width(),u=t.height();n+l>o&&(n=o-l),n<i&&(n=i),r+u>s&&(r=s-u),r<a&&(r=a);var c={};c.top=r,c.left=n,t.css(c)},render:function(){var e,t,n,r,i,a,o,s,l,u,c,p,h,f,d,m,g,y,v,b,w,x,A,S,j,E,O,k,T,C,I,D,L,M,R,U,P,q,B,N,z;if(a=jQuery.inArray(this.model.method,this.model.supportedSubmitMethods())>=0,a||(this.model.isReadOnly=!0),this.model.description=this.model.description||this.model.notes,this.model.oauth=null,m=this.model.authorizations||this.model.security)if(Array.isArray(m))for(l=0,u=m.length;l<u;l++){n=m[l];for(s in n)for(e in this.auths)if(t=this.auths[e],s===t.name&&"oauth2"===t.type){this.model.oauth={},this.model.oauth.scopes=[],A=t.value.scopes;for(o in A)P=A[o],D=n[s].indexOf(o),D>=0&&(y={scope:o,description:P},this.model.oauth.scopes.push(y))}}else for(o in m)if(P=m[o],"oauth2"===o)for(null===this.model.oauth&&(this.model.oauth={}),void 0===this.model.oauth.scopes&&(this.model.oauth.scopes=[]),d=0,c=P.length;d<c;d++)y=P[d],this.model.oauth.scopes.push(y);if("undefined"!=typeof this.model.responses){this.model.responseMessages=[],S=this.model.responses;for(r in S)q=S[r],C=null,I=this.model.responses[r].schema,I&&I.$ref&&(C=I.$ref,C.indexOf("#/definitions/")!==-1&&(C=C.replace(/^.*#\/definitions\//,""))),this.model.responseMessages.push({code:r,message:q.description,responseModel:C,headers:q.headers,schema:I})}if("undefined"==typeof this.model.responseMessages&&(this.model.responseMessages=[]),L=null,B=this.model.produces,N=this.contains(B,"xml"),z=!N||this.contains(B,"json"),this.model.successResponse){R=this.model.successResponse;for(s in R)q=R[s],this.model.successCode=s,"object"==typeof q&&"function"==typeof q.createJSONSample?(this.model.successDescription=q.description,this.model.headers=this.parseResponseHeaders(q.headers),L={sampleJSON:!!z&&JSON.stringify(SwaggerUi.partials.signature.createJSONSample(q),void 0,2),isParam:!1,sampleXML:!!N&&SwaggerUi.partials.signature.createXMLSample(q.name,q.definition,q.models),signature:SwaggerUi.partials.signature.getModelSignature(q.name,q.definition,q.models,q.modelPropertyMacro)}):L={signature:SwaggerUi.partials.signature.getPrimitiveSignature(q)}}else this.model.responseClassSignature&&"string"!==this.model.responseClassSignature&&(L={sampleJSON:this.model.responseSampleJSON,isParam:!1,signature:this.model.responseClassSignature});for($(this.el).html(Handlebars.templates.operation(this.model)),L?(L.defaultRendering=this.model.defaultRendering,T=new SwaggerUi.Views.SignatureView({model:L,router:this.router,tagName:"div"}),$(".model-signature",$(this.el)).append(T.render().el)):(this.model.responseClassSignature="string",$(".model-signature",$(this.el)).html(this.model.type)),i={isParam:!1},i.consumes=this.model.consumes,i.produces=this.model.produces,j=this.model.parameters,g=0,p=j.length;g<p;g++)b=j[g],U=b.type||b.dataType||"","undefined"==typeof U&&(C=b.schema,C&&C.$ref&&(x=C.$ref,U=0===x.indexOf("#/definitions/")?x.substring("#/definitions/".length):x)),U&&"file"===U.toLowerCase()&&(i.consumes||(i.consumes="multipart/form-data")),b.type=U;for(k=new SwaggerUi.Views.ResponseContentTypeView({model:i,router:this.router}),$(".response-content-type",$(this.el)).append(k.render().el),E=this.model.parameters,v=0,h=E.length;v<h;v++)b=E[v],this.addParameter(b,i.consumes);for(O=this.model.responseMessages,w=0,f=O.length;w<f;w++)M=O[w],M.isXML=N,M.isJSON=z,_.isUndefined(M.headers)||(M.headers=this.parseHeadersType(M.headers)),this.addStatusCode(M);if(Array.isArray(this.model.security)){var F=SwaggerUi.utils.parseSecurityDefinitions(this.model.security);F.isLogout=!_.isEmpty(window.swaggerUi.api.clientAuthorizations.authz),this.authView=new SwaggerUi.Views.AuthButtonView({data:F,router:this.router,isOperation:!0,model:{scopes:F.scopes}}),this.$(".authorize-wrapper").append(this.authView.render().el)}return this.showSnippet(),this},parseHeadersType:function(e){var t={string:{"date-time":"dateTime",date:"date"}};return

_.forEach(e,function(e){var
n;e=e||{},n=t[e.type]&&t[e.type][e.format],_.isUndefined(n)||(e.type=n)}),e},contains:function(e,t){return
e.filter(function(e){if(e.indexOf(t)>-1)return!0}).length},parseResponseHeaders:function(e){var t=";
",n=_.clone(e);return _.forEach(n,function(e){var n=[];_.forEach(e,function(e,t){var
r=["type","description"];r.indexOf(t.toLowerCase())===-1&&n.push(t+":
"+e)}),n.join(t),e.other=n}),n},addParameter:function(e,t){e.consumes=t,e.defaultRendering=this.model.defaultRen
dering,e.schema&&($.extend(!0,e.schema,this.model.definitions[e.type]),e.schema.definitions=this.model.definition
s,e.schema.type||(e.schema.type="object"),e.schema.title||(e.schema.title=" "));var n=new
SwaggerUi.Views.ParameterView({model:e,tagName:"tr",readOnly:this.model.isReadOnly,swaggerOptions:this.opt
ions.swaggerOptions});$(".operation-
params",$(this.el)).append(n.render().el)},addStatusCode:function(e){e.defaultRendering=this.model.defaultRenderi
ng;var t=new SwaggerUi.Views.StatusCodeView({model:e,tagName:"tr",router:this.router});$(".operation-
status",$(this.el)).append(t.render().el)},submitOperation:function(e){var
t,n,r,i,a;if(null!==e&&e.preventDefault(),n=$(".sandbox",$(this.el)),t=!0,n.find("input.required").each(function(){$(
this).removeClass("error"),""===jQuery.trim($(this).val())&&($(this).addClass("error"),$(this).wiggle({callback:fu
nction(e){return
function(){$(e).focus()}}(this)}),t=!1)}),n.find("textarea.required:visible").each(function(){$(this).removeClass("err
or"),""===jQuery.trim($(this).val())&&($(this).addClass("error"),$(this).wiggle({callback:function(e){return
function(){return
$(e).focus()}}(this)}),t=!1)}),n.find("select.required").each(function(){$(this).removeClass("error"),this.selectedInd
ex===-1&&($(this).addClass("error"),$(this).wiggle({
callback:function(e){return
function(){$(e).focus()}}(this)}),t=!1)}),t){if(i=this.getInputMap(n),r=this.isFileUpload(n),a={parent:this},this.opti
ons.swaggerOptions)for(var o in this.options.swaggerOptions)a[o]=this.options.swaggerOptions[o];var
s;for(s=0;s<this.model.parameters.length;s++){var
l=this.model.parameters[s];if(l.jsonEditor&&l.jsonEditor.isEnabled()){var
u=l.jsonEditor.getValue();i[l.name]=JSON.stringify(u)}}return a.responseContentType=$("div
select[name=responseContentType]",$(this.el)).val(),a.requestContentType=$("div
select[name=parameterContentType]",$(this.el)).val(),$(".response_throbber",$(this.el)).show(),r?($(".request_url",
$(this.el)).html("<pre></pre>"),$(".request_url
pre",$(this.el)).text(this.invocationUrl),a.useJQuery=!0,i.parameterContentType="multipart/form-
data",this.map=i,this.model.execute(i,a,this.showCompleteStatus,this.showErrorStatus,this)):(this.map=i,this.model.
execute(i,a,this.showCompleteStatus,this.showErrorStatus,this))}},getInputMap:function(e){var
t,n,r,i,a,o,s,l,u,c,p,h;for(t={},n=e.find("input"),r=0,i=n.length;r<i;r++)a=n[r],null!==a.value&&jQuery.trim(a.value).
length>0&&(t[a.name]=a.value),"file"===a.type&&(t[a.name]=a.files[0]);for(o=e.find("textarea"),s=0,l=o.length;s<
l;s++)a=o[s],u=this.getTextAreaValue(a),null!==u&&jQuery.trim(u).length>0&&(t[a.name]=u);for(c=e.find("select
"),p=0,h=c.length;p<h;p++)a=c[p],u=this.getSelectedValue(a),null!==u&&jQuery.trim(u).length>0&&(t[a.name]=u
);return t},isFileUpload:function(e){var
t,n,r,i,a=!1;for(t=e.find("input"),n=0,r=t.length;n<r;n++)i=t[n],"file"===i.type&&(a=!0);return
a},success:function(e,t){t.showCompleteStatus(e)},wrap:function(e){var
t,n,r,i,a,o,s;for(r={},n=e.getAllResponseHeaders().split("\r"),a=0,o=n.length;a<o;a++)i=n[a],t=i.match(/^([^:]*?):(.*
)$/),t||(t=[]),t.shift(),void 0!==t[0]&&void 0!==t[1]&&(r[t[0].trim()]=t[1].trim());return
s={},s.content={},s.content.data=e.responseText,s.headers=r,s.request={},s.request.url=this.invocationUrl,s.status=
e.status,s},getSelectedValue:function(e){if(e.multiple){for(var t=[],n=0,r=e.options.length;n<r;n++){var
i=e.options[n];i.selected&&t.push(i.value)}return t.length>0?t:null}return
e.value},hideResponse:function(e){e&&e.preventDefault(),$(".response",$(this.el)).slideUp(),$(".response_hider",$
(this.el)).fadeOut()},showResponse:function(e){var
t=JSON.stringify(e,null,"\t").replace(/\n/g,"<br>");$(".response_body",$(this.el)).html(_.escape(t))},showErrorStatu

s:function(e,t){t.showStatus(e)},showCompleteStatus:function(e,t){t.showStatus(e)},formatXml:function(e){var t,n,r,i,a,o,s,l,u,c,p,h,f;for(p=/(>)(<)(\/*)/g,f=/[ ]*(.*)[
]+\n/g,t=/(<.+>)(.+\n)/g,e=e.replace(/\r\n/g,"\n").replace(p,"$1\n$2$3").replace(f,"$1\n").replace(t,"$1\n$2"),c=0,r="
",l=e.split("\n"),i=0,o="other",h={"single->single":0,"single->closing":-1,"single->opening":0,"single-
>other":0,"closing->single":0,"closing->closing":-1,"closing->opening":0,"closing->other":0,"opening-
>single":1,"opening->closing":0,"opening->opening":1,"opening->other":1,"other->single":0,"other->closing":-
1,"other->opening":0,"other->other":0},n=function(e){var
t,n,a,s,l,u,c;u={single:Boolean(e.match(/<.+\/>/)),closing:Boolean(e.match(/<\/.+>/)),opening:Boolean(e.match(/<[^
!?].*>/))},l=function(){var e;e=[];for(a in u)c=u[a],c&&e.push(a);return e}()[0],l=void 0===l?"other":l,t=o+"-
>"+l,o=l,s="",i+=h[t],s=function(){var e,t,r;for(r=[],n=e=0,t=i;0<=t?e<t:e>t;n=0<=t?++e:--e)r.push(" ");return
r}().join(""),"opening->closing"===t?r=r.substr(0,r.length-
1)+e+"\n":r+=s+e+"\n"},a=0,s=l.length;a<s;a++)u=l[a],n(u);return r},showStatus:function(e){var t,n;void
0===e.content?(n=e.data,t=e.url):(n=e.content.data,t=e.request.url);var r=e.headers;"string"==typeof
n&&(n=jQuery.trim(n));var i=null;r&&(i=r["Content-Type"]||r["content-
type"],i&&(i=i.split(";")[0].trim())),$(".response_body",$(this.el)).removeClass("json"),$(".response_body",$(this.el
)).removeClass("xml");var a,o,s=function(e){var
t=document.createElement("audio");return!(!t.canPlayType||!t.canPlayType(e).replace(/no/,""))};if(n)if(r["Content-
Disposition"]&&/attachment/.test(r["Content-Disposition"])||r["content-disposition"]&&/attachment/.test(r["content-
disposition"])||r["Content-Description"]&&/File Transfer/.test(r["Content-Description"])||r["content-
description"]&&/File Transfer/.test(r["content-description"]))if("Blob"in window){var
l,u=i||"text/html",c=document.createElement("a");if("[object
Blob]"==={}.toString.apply(n))l=window.URL.createObjectURL(n);else{var
p=[];p.push(n),l=window.URL.createObjectURL(new Blob(p,{type:u}))}var
h=e.url.substr(e.url.lastIndexOf("/")+1),f=[u,h,l].join(":"),d=r["content-disposition"]||r["Content-
Disposition"];if("undefined"!=typeof d){var
m=/filename=([^;]*);?/.exec(d);null!==m&&m.length>1&&(f=m[1])}c.setAttribute("href",l),c.setAttribute("downlo
ad",f),c.innerText="Download "+h,a=$("<div/>").append(c)}else a=$('<pre class="json" />').append("Download
headers detected but your browser does not support downloading binary via XHR (Blob).");else
if("application/json"===i||/\+json$/.test(i)){var g=null;try{g=JSON.stringify(JSON.parse(n),null,"
")}catch(y){g="can't parse JSON. Raw result:\n\n"+n}o=$("<code />").text(g),a=$('<pre class="json"
/>').append(o)}else if("application/xml"===i||/\+xml$/.test(i))o=$("<code />").text(this.formatXml(n)),a=$('<pre
class="xml" />').append(o);else if("text/html"===i)o=$("<code />").html(_.escape(n)),a=$('<pre class="xml"
/>').append(o);else if(/text\/plain/.test(i))o=$("<code />").text(n),a=$('<pre class="plain" />').append(o);else
if(/^image\//.test(i)){var
v=window.URL||window.webkitURL,b=v.createObjectURL(n);a=$("<img>").attr("src",b)}else/^audio\//.test(i)&&s
(i)?a=$("<audio
controls>").append($("<source>").attr("src",t).attr("type",i)):r.location||r.Location?window.location=e.url:(o=$("").text(n),a=$('<pre class="json" />').append(o));else o=$("<code />").text("no content"),a=$('<pre class="json"
/>').append(o);var w=a;$(".request_url",$(this.el)).html("<pre></pre>"),$(".request_url
pre",$(this.el)).text(t),$(".response_code",$(this.el)).html("<pre>"+e.status+"</pre>"),$(".response_body",$(this.el))
.html(w),$(".response_headers",$(this.el)).html("<pre>"+_.escape(JSON.stringify(e.headers,null,"
")).replace(/\n/g,"<br>")+"</pre>"),$(".response",$(this.el)).slideDown(),$(".response_hider",$(this.el)).show(),$(".r
esponse_throbber",$(this.el)).hide();var
x=this.model.asCurl(this.map,{responseContentType:i});x=x.replace("!","!"),$("div.curl",$(this.el)).html("<pr
e>"+_.escape(x)+"</pre>");var A=this.options.swaggerOptions;if(A.showRequestHeaders){var
S=$(".sandbox",$(this.el)),j=this.getInputMap(S),E=this.model.getHeaderParams(j);delete E["Content-
Type"],$(".request_headers",$(this.el)).html("<pre>"+_.escape(JSON.stringify(E,null,"
")).replace(/\n/g,"<br>")+"</pre>")}var O=$(".response_body",$(this.el))[0];return

A.highlightSizeThreshold&&"undefined"!=typeof
e.data&&e.data.length>A.highlightSizeThreshold?O:hljs.highlightBlock(O)},toggleOperationContent:function(e){v
ar
t=$("#"+Docs.escapeResourceName(this.parentId+"_"+this.nickname+"_content"));t.is(":visible")?($.bbq.pushState
("#/",2),e.preventDefault(),Docs.collapseOperation(t)):Docs.expandOperation(t)},getTextAreaValue:function(e){var
t,n,r,i;if(null===e.value||0===jQuery.trim(e.value).length)return
null;if(t=this.getParamByName(e.name),t&&t.type&&"array"===t.type.toLowerCase()){for(n=e.value.split("\n"),r=
[],i=0;i<n.length;i++)null!==n[i]&&jQuery.trim(n[i]).length>0&&r.push(n[i]);return r.length>0?r:null}return
e.value},showSnippet:function(){var e,t=this.$("[name=responseContentType]"),n=this.$(".operation-status
.snippet_xml, .response-class .snippet_xml"),r=this.$(".operation-status .snippet_json, .response-class
.snippet_json");t.length&&(e=t.val(),e.indexOf("xml")>-
1?(n.show(),r.hide()):(r.show(),n.hide()))},getParamByName:function(e){var
t;if(this.model.parameters)for(t=0;t<this.model.parameters.length;t++)if(this.model.parameters[t].name===e)return
this.model.parameters[t];return
null}}),SwaggerUi.Views.ParameterContentTypeView=Backbone.View.extend({initialize:function(){},render:funct
ion(){return
this.model.parameterContentTypeId="pct"+Math.random(),$(this.el).html(Handlebars.templates.parameter_content
_type(this.model)),this}}),SwaggerUi.Views.ParameterView=Backbone.View.extend({events:{"change
[name=parameterContentType]":"toggleParameterSnippet"},initialize:function(){Handlebars.registerHelper("isArra
y",function(e,t){var
n=e.type&&e.type.toLowerCase();return"array"===n||e.allowMultiple?t.fn(this):t.inverse(this)})},render:function(){
var
e,t,n=this.model.type||this.model.dataType,r=this.model.modelSignature.type,i=this.model.modelSignature.definitio
ns,a=this.model.schema||{},o=this.model.consumes||[];if("undefined"==typeof n&&a.$ref){var
s=a.$ref;n=0===s.indexOf("#/definitions/")?s.substring("#/definitions/".length):s}this.model.type=n,this.model.para
mType=this.model["in"]||this.model.paramType,this.model.isBody="body"===this.model.paramType||"body"===th
is.model["in"],this.model.isFile=n&&"file"===n.toLowerCase(),"undefined"==typeof
this.model["default"]&&(this.model["default"]=this.model.defaultValue),this.model.hasDefault="undefined"!=type
of
this.model["default"],this.model.valueId="m"+this.model.name+Math.random(),this.model.allowableValues&&(thi
s.model.isList=!0);var
l=this.contains(o,"xml"),u=!l||this.contains(o,"json");e=SwaggerUi.partials.signature.createParameterJSONSample(r
,i);var c=this.template();$(this.el).html(c(this.model));var
p={sampleJSON:!!u&&e,sampleXML:!(!e||!l)&&SwaggerUi.partials.signature.createXMLSample("",a,i,!0),isPara
m:!0,signature:SwaggerUi.partials.signature.getParameterModelSignature(r,i),defaultRendering:this.model.defaultR
endering};e?(t=new SwaggerUi.Views.SignatureView({model:p,tagName:"div"}),$(".model-
signature",$(this.el)).append(t.render().el)):$(".model-signature",$(this.el)).html(this.model.signature);var
h=!1;if(this.options.swaggerOptions.jsonEditor&&this.model.isBody&&this.model.schema){var
f=$(this.el);this.model.jsonEditor=new
JSONEditor($(".editor_holder",f)[0],{schema:this.model.schema,startval:this.model["default"],ajax:!0,disable_prop
erties:!0,disable_edit_json:!0,iconlib:"swagger"}),p.jsonEditor=this.model.jsonEditor,$(".body-
textarea",f).hide(),$(".editor_holder",f).show(),$(".parameter-content-
type",f).change(function(e){"application/xml"===e.target.value?($(".body-
textarea",f).show(),$(".editor_holder",f).hide(),this.model.jsonEditor.disable()):($(".body-
textarea",f).hide(),$(".editor_holder",f).show(),this.model.jsonEditor.enable())})}this.model.isBody&&(h=!0);var
d={isParam:h};if(d.consumes=this.model.consumes,h){var m=new
SwaggerUi.Views.ParameterContentTypeView({model:d});$(".parameter-content-
type",$(this.el)).append(m.render().el),this.toggleParameterSnippet()}else{var g=new

SwaggerUi.Views.ResponseContentTypeView({model:d});$(".response-content-type",$(this.el)).append(g.render().el),this.toggleResponseSnippet()}return this},contains:function(e,t){return e.filter(function(e){if(e.indexOf(t)>-1)return!0}).length},toggleParameterSnippet:function(){var e=this.$("[name=parameterContentType]").val();this.toggleSnippet(e)},toggleResponseSnippet:function(){var e=this.$("[name=responseContentType]");e.length&&this.toggleSnippet(e.val())},toggleSnippet:function(e){e=e||"",e.indexOf("xml")>-1?(this.$(".snippet_xml").show(),this.$(".snippet_json").hide()):(this.$(".snippet_json").show(),this.$(".snippet_xml").hide())},template:function(){return this.model.isList?Handlebars.templates.param_list:this.options.readOnly?this.model.required?Handlebars.templates.param_readonly_required:Handlebars.templates.param_readonly:this.model.required?Handlebars.templates.param_required:Handlebars.templates.param}}),SwaggerUi.partials.signature=function(){function e(e){var t,i=e.name,a=e.definition,o=e.config,s=e.models,l=e.config.isParam,u=[],c=a.properties,p=a.additionalProperties,h=a.xml,f=b(h);return f&&u.push(f),c||p?(c=c||{}):t=_.map(c,function(e,t){var n,i;return l&&e.readOnly?"":(n=e.xml||{},i=r(t,e,s,o),n.attribute?(u.push(i),""):i)}).join(""),p&&(t+="<!-- additional elements allowed -->"),y(i,t,u)):n()}function t(e,t){return y(e,"<!-- Infinite loop $ref:"+t+" -->")}function n(e){return e=e?": "+e:"","<!-- invalid XML"+e+" -->"}function r(r,i,s,l){var u,c,p=_.isObject(i)?i.$ref:null;l=l||{},l.modelsToIgnore=l.modelsToIgnore||[];var h=_.isString(p)?a(p,r,s,l):o(r,i,s,l);if(!h)return n();switch(h.type){case"array":u=w(h);break;case"object":u=e(h);break;case"loop":u=t(h.name,h.config.loopTo);break;default:u=A(h)}return p&&"loop"!==h.type&&(c=l.modelsToIgnore.indexOf(p),c>-1&&l.modelsToIgnore.splice(c,1)),u}function i(e,t,n,r,i){if(arguments.length<4)throw new Error;this.config=i||{},this.config.modelsToIgnore=this.config.modelsToIgnore||[],this.name=v(e,n.xml),this.definition=n,this.models=r,this.type=t}function a(e,t,n,r){var a=u(e),o=n[a]||{},s=o.definition&&o.definition.type?o.definition.type:"object";return t=t||o.name,r.modelsToIgnore.indexOf(e)>-1?(s="loop",r.loopTo=a):r.modelsToIgnore.push(e),o.definition?new i(t,s,o.definition,n,r):null}function o(e,t,n,r){var a=t.type||"object";return t?new i(e,a,t,n,r):null}function s(e,t,n,i){var a='<?xml version="1.0"?>';return p(a+r(e,t,n,{isParam:i}))}var l=function(e){return _.isPlainObject(e.schema)&&(e=l(e.schema)),e},u=function(e){return"undefined"==typeof e?null:0===e.indexOf("#/definitions/")?e.substring("#/definitions/".length):e},c=function(e){if(/^Inline Model \d+$/.test(e)&&this.inlineModels){var t=parseInt(e.substr("Inline Model".length).trim(),10),n=this.inlineModels[t];return n}return null},p=function(e){var t,n,r,i,a,o,s,l,u,c,p,h,f;for(p=/(>)(<)(\/*)/g,f=/[ ]*(.*)[
]+\n/g,t=/(<.+>)(.+\n)/g,e=e.replace(p,"$1\n$2$3").replace(f,"$1\n").replace(t,"$1\n$2"),c=0,r="",l=e.split("\n"),i=0,o="other",h={"single->single":0,"single->closing":-1,"single->opening":0,"single->other":0,"closing->single":0,"closing->closing":-1,"closing->opening":0,"closing->other":0,"opening->single":1,"opening->closing":0,"opening->opening":1,"opening->other":1,"other->single":0,"other->closing":-1,"other->opening":0,"other->other":0},n=function(e){var t,n,a,s,l,u,c;u={single:Boolean(e.match(/<.+\/>/)),closing:Boolean(e.match(/<\/.+>/)),opening:Boolean(e.match(/<[^!?].*>/))},l=function(){var e;e=[];for(a in u)c=u[a],c&&e.push(a);return e}()[0],l=void 0===l?"other":l,t=o+"->"+l,o=l,s="",i+=h[t],s=function(){var e,t,r;for(r=[],n=e=0,t=i;0<=t?e<t:e>t;n=0<=t?++e:--e)r.push(" ");return r}().join(""),"opening->closing"===t?r=r.substr(0,r.length-1)+e+"\n":r+=s+e+"\n"},a=0,s=l.length;a<s;a++)u=l[a],n(u);return r},h=function(e,t,n,r){function i(e,t,r){var i,a=t;return e.$ref?(a=e.title||u(e.$ref),i=n[u(e.$ref)]):_.isUndefined(t)&&(a=e.title||"Inline Model "+ ++m,i={definition:e}),r!==!0&&(f[a]=_.isUndefined(i)?{}:i.definition),a}function a(e){var t='',n=e.type||"object";return e.$ref?t+=i(e,u(e.$ref)):"object"===n?t+=_.isUndefined(e.properties)?"object":i(e):"array"===n?(t+="Array[",_.isArray(e.items)?t+=_.map(e.items,i).join(","):_.isPlainObject(e.items)?t+=_.isUndefined(e.items.$ref)?_.isUndefined(e.items.type)||_.indexOf(["array","object"],e.items.type)!==-

1?i(e.items):e.items.type:i(e.items,u(e.items.$ref)):(console.log("Array type's 'items' schema is not an array or an object, cannot process"),t+="object"),t+="]"):t+=e.type,t+=""}function o(e,t){var n="",r=e.type||"object",i="array"===r;switch(_.isUndefined(e.description)||(t+=': '+e.description+""),e["enum"]&&(t+=' = [\"'+e["enum"].join("', '")+"'"]"),i&&(r=_.isPlainObject(e.items)&&!_.isUndefined(e.items.type)?e.items.type:"object"),_.isUndefined(e["default"])||(n+=h("Default",e["default"])),r){case"string":e.minLength&&(n+=h("Min. Length",e.minLength)),e.maxLength&&(n+=h("Max. Length",e.maxLength)),e.pattern&&(n+=h("Reg. Exp.",e.pattern));break;case"integer":case"number":e.minimum&&(n+=h("Min. Value",e.minimum)),e.exclusiveMinimum&&(n+=h("Exclusive Min.","true")),e.maximum&&(n+=h("Max. Value",e.maximum)),e.exclusiveMaximum&&(n+=h("Exclusive Max.","true")),e.multipleOf&&(n+=h("Multiple Of",e.multipleOf))}if(i&&(e.minItems&&(n+=h("Min. Items",e.minItems)),e.maxItems&&(n+=h("Max. Items",e.maxItems)),e.uniqueItems&&(n+=h("Unique Items","true")),e.collectionFormat&&(n+=h("Coll. Format",e.collectionFormat))),_.isUndefined(e.items)&&_.isArray(e["enum"])){var a;a="number"===r||"integer"===r?e["enum"].join(", "):"'"+e["enum"].join("', '")+"'",n+=h("Enum",a)}return n.length>0&&(t=''+t+'<table class="optionsWrapper"><tr><th colspan="2">'+r+"</th></tr>"+n+"</table>"),t}function s(e,t){var s,h=e.type||"object",f="array"===e.type,m=c+t+" "+(f?"[":"{")+p;return t&&d.push(t),f?_.isArray(e.items)?m+="<div>"+_.map(e.items,function(e){var t=e.type||"object";return _.isUndefined(e.$ref)?_.indexOf(["array","object"],t)>-1?"object"===t&&_.isUndefined(e.properties)?"object":i(e):o(e,t):i(e,u(e.$ref))}).join("</div><div>"):_.isPlainObject(e.items)?m+=_.isUndefined(e.items.$ref)?_.indexOf(["array","object"],e.items.type||"object")>-1?(_.isUndefined(e.items.type)||"object"===e.items.type)&&_.isUndefined(e.items.properties)?"<div>object</div>":"<div>"+i(e.items)+"</div>":"<div>"+o(e.items,e.items.type)+"</div>":"<div>"+i(e.items,u(e.items.$ref))+"</div>":(console.log("Array type's 'items' property is not an array or an object, cannot process"),m+="<div>object</div>"):e.$ref?m+="<div>"+i(e,t)+"</div>":"object"===h?(_.isPlainObject(e.properties)&&(s=_.map(e.properties,function(t,i){var s,c=_.indexOf(e.required,i)>=0,p=_.cloneDeep(t),h=c?"required":"",f=''+i+" (";return p["default"]=r(p),p=l(p),_.isUndefined(p.$ref)||(s=n[u(p.$ref)],_.isUndefined(s)||_.indexOf([void 0,"array","object"],s.definition.type)!==-1||(p=l(s.definition))),f+=a(p),c||(f+=', optional'),t.readOnly&&(f+=', read only'),f+=")","<div"+(t.readOnly?' class="readOnly"':"")+">"+o(p,f)}).join("</div>")),s&&(m+=s+"</div>")):m+="<div>"+o(e,h)+"</div>",m+c+(f?"]":"}")+p}var c='',p="",h=function(e,t){return'<tr><td class="optionName">'+e+":</td><td>"+t+"</td></tr>"};if(_.isObject(arguments[0])&&(e=void 0,t=arguments[0],n=arguments[1],r=arguments[2]),n=n||{},t=l(t),_.isEmpty(t))return c+"Empty"+p;if("string"==typeof t.$ref&&(e=u(t.$ref),t=n[e],"undefined"==typeof t))return c+e+" is not defined!"+p;"string"!=typeof e&&(e=t.title||"Inline Model"),t.definition&&(t=t.definition),"function"!=typeof r&&(r=function(e){return(e||{})["default"]});for(var f={},d=[],m=0,g=s(t,e);_.keys(f).length>0;)_.forEach(f,function(e,t){var n=_.indexOf(d,t)>-1;delete f[t],n||(d.push(t),g+="<br />"+s(e,t))});return g},f=function(e,t,n,r){e=l(e),"function"!=typeof r&&(r=function(e){return(e||{})["default"]}),n=n||{};var i,a,o=e.type||"object",s=e.format;return _.isUndefined(e.example)?_.isUndefined(e.items)&&_.isArray(e["enum"])&&(a=e["enum"][0]):a=e.example,_.isUndefined(a)&&(e.$ref?(i=t[u(e.$ref)],_.isUndefined(i)||(_.isUndefined(n[i.name])?(n[i.name]=i,a=f(i.definition,t,n,r),delete n[i.name]):a="array"===i.type?[]:{})):_.isUndefined(e["default"])?"string"===o?a="date-time"===s?(new Date).toISOString():"date"===s?(new Date).toISOString().split("T")[0]:"string":"integer"===o?a=0:"number"===o?a=0:"boolean"===o?a=!0:"object"===o?(a={},_.forEach(e.properties,function(e,i){var

o=_.cloneDeep(e);o["default"]=r(e),a[i]=f(o,t,n,r)})):"array"===o&&(a=[],_.isArray(e.items)?_.forEach(e.items,function(e){a.push(f(e,t,n,r))}):_.isPlainObject(e.items)?a.push(f(e.items,t,n,r)):_.isUndefined(e.items)?a.push({}):console.log("Array type's 'items' property is not an array or an object, cannot process")):a=e["default"]),a},d=function(e,t){return t=t||{},t[e.name]=e,e.examples&&_.isPlainObject(e.examples)&&e.examples["application/json"]?(e.definition.example=e.examples["application/json"],_.isString(e.definition.example)&&(e.definition.example=jsyaml.safeLoad(e.definition.example))):e.definition.example||(e.definition.example=e.examples),f(e.definition,e.models,t,e.modelPropertyMacro)},m=function(e,t){var n,r;return e instanceof Array&&(r=!0,e=e[0]),"undefined"==typeof e?(e="undefined",n=!0):t[e]?(e=t[e],n=!1):c(e)?(e=c(e),n=!1):n=!0,n?r?"Array["+e+"]":e.toString():r?"Array["+h(e.name,e.definition,e.models,e.modelPropertyMacro)+"]":h(e.name,e.definition,e.models,e.modelPropertyMacro)},g=function(e,t){var n,r,i;if(t=t||{},n=e instanceof Array,i=n?e[0]:e,t[i]?r=d(t[i]):c(i)&&(r=d(c(i))),r){if(r=n?[r]:r,"string"==typeof r)return r;if(_.isObject(r)){var a=r;if(r instanceof Array&&r.length>0&&(a=r[0]),a.nodeName&&"Node"==typeof a){var o=(new XMLSerializer).serializeToString(a);return p(o)}return JSON.stringify(r,null,2)}return r}},y=function(e,t,r){var i,a;return r=r||[],a=r.map(function(e){return" "+e.name+'="'+e.value+'"'}).join(""),e?(i=["<",e,a,">",t,"</",e,">"],i.join("")):n("Node name is not provided")},v=function(e,t){var n=e||"";return t=t||{},t.name&&(n=t.name),t.prefix&&(n=t.prefix+":"+n),n},b=function(e){var t="",n="xmlns";return e=e||{},e.namespace?(t=e.namespace,e.prefix&&(n+=":"+e.prefix),{name:n,value:t}):t},w=function(e){var t,i=e.name,a=e.config,o=e.definition,s=e.models,l=o.items,u=o.xml||{},c=b(u),p=[];return l?(t=r(i,l,s,a),c&&p.push(c),u.wrapped&&(t=y(i,t,p)),t):n()},x=function(e){var t,n;switch(e=e||{},n=e.items||{},t=e.type||""){case"object":return"Object is not a primitive";case"array":return"Array["+(n.format||n.type)+"]";default:return e.format||t}},A=function(e){var t,r=e.name,i=e.definition,a={string:{date:new Date(1).toISOString().split("T")[0],"date-time":new Date(1).toISOString(),"default":"string"},integer:{"default":1},number:{"default":1.1},"boolean":{"default":!0}},o=i.type,s=i.format,l=i.xml||{},u=b(l),c=[];return _.keys(a).indexOf(o)<0?n():(t=_.isArray(i["enum"])?i["enum"][0]:i.example||a[o][s]||a[o]["default"],l.attribute?{name:r,value:t}:(u&&c.push(u),y(r,t,c)))};return{getModelSignature:h,createJSONSample:d,getParameterModelSignature:m,createParameterJSONSample:g,createSchemaXML:r,createXMLSample:s,getPrimitiveSignature:x}}(),SwaggerUi.Views.PopupView=Backbone.View.extend({events:{"click .api-popup-cancel":"cancelClick"},template:Handlebars.templates.popup,className:"api-popup-dialog",selectors:{content:".api-popup-content",main:"#swagger-ui-container"},initialize:function(){this.$el.html(this.template(this.model))},render:function(){return this.$(this.selectors.content).append(this.model.content),$(this.selectors.main).first().append(this.el),this.showPopup(),this},showPopup:function(){this.$el.show()},cancelClick:function(){this.remove()}}),SwaggerUi.Views.ResourceView=Backbone.View.extend({initialize:function(e){e=e||{},this.router=e.router,this.auths=e.auths,""===this.model.description&&(this.model.description=null),this.model.description&&(this.model.summary=this.model.description),this.number=0},render:function(){var e={};$(this.el).html(Handlebars.templates.resource(this.model));for(var t=0;t<this.model.operationsArray.length;t++){for(var n=this.model.operationsArray[t],r=0,i=n.nickname;"undefined"!=typeof e[i];)i=i+"_"+r,r+=1;e[i]=n,n.nickname=i,n.parentId=this.model.id,n.definitions=this.model.definitions,this.addOperation(n)}return $(".toggleEndpointList",this.el).click(this.callDocs.bind(this,"toggleEndpointListForResource")),$(".collapseResource",this.el).click(this.callDocs.bind(this,"collapseOperationsForResource")),$(".expandResource",this.el).click(this.callDocs.bind(this,"expandOperationsForResource")),this},addOperation:function(e){e.number=this.number;var t=new SwaggerUi.Views.OperationView({model:e,router:this.router,tagName:"li",className:"endpoint",swaggerOptions:this.options.swaggerOptions,auths:this.auths});$(".endpoints",$(this.el)).append(t.render().el),this.number++},callDo

cs:function(e,t){t.preventDefault(),Docs[e](t.currentTarget.getAttribute("data-id"))}}}),SwaggerUi.Views.ResponseContentTypeView=Backbone.View.extend({initialize:function(){},render:function(){return this.model.responseContentTypeId="rct"+Math.random(),$(this.el).html(Handlebars.templates.response_content_type(this.model)),this}}),SwaggerUi.Views.SignatureView=Backbone.View.extend({events:{"click a.description-link":"switchToDescription","click a.snippet-link":"switchToSnippet","mousedown .snippet_json":"jsonSnippetMouseDown","mousedown .snippet_xml":"xmlSnippetMouseDown"},initialize:function(){},render:function(){return $(this.el).html(Handlebars.templates.signature(this.model)),"model"===this.model.defaultRendering?this.switchToDescription():this.switchToSnippet(),this},switchToDescription:function(e){e&&e.preventDefault(),$(".snippet",$(this.el)).hide(),$(".description",$(this.el)).show(),$(".description-link",$(this.el)).addClass("selected"),$(".snippet-link",$(this.el)).removeClass("selected")},switchToSnippet:function(e){e&&e.preventDefault(),$(".snippet",$(this.el)).show(),$(".description",$(this.el)).hide(),$(".snippet-link",$(this.el)).addClass("selected"),$(".description-link",$(this.el)).removeClass("selected")},snippetToTextArea:function(e){var t=$("textarea",$(this.el.parentNode.parentNode.parentNode));""!==$.trim(t.val())&&t.prop("placeholder")!==t.val()||(t.val(e),this.model.jsonEditor&&this.model.jsonEditor.isEnabled()&&this.model.jsonEditor.setValue(JSON.parse(this.model.sampleJSON)))},jsonSnippetMouseDown:function(e){this.model.isParam&&(e&&e.preventDefault(),this.snippetToTextArea(this.model.sampleJSON))},xmlSnippetMouseDown:function(e){this.model.isParam&&(e&&e.preventDefault(),this.snippetToTextArea(this.model.sampleXML))}}),SwaggerUi.Views.StatusCodeView=Backbone.View.extend({initialize:function(e){this.options=e||{},this.router=this.options.router},render:function(){var e,t,n=this.router.api.models[this.model.responseModel];return $(this.el).html(Handlebars.templates.status_code(this.model)),e=this.router.api.models.hasOwnProperty(this.model.responseModel)?{sampleJSON:JSON.stringify(SwaggerUi.partials.signature.createJSONSample(n),void 0,2),sampleXML:!!this.model.isXML&&SwaggerUi.partials.signature.createXMLSample("",this.model.schema,this.router.api.models),isParam:!1,signature:SwaggerUi.partials.signature.getModelSignature(this.model.responseModel,n,this.router.api.models),defaultRendering:this.model.defaultRendering}:{signature:SwaggerUi.partials.signature.getPrimitiveSignature(this.model.schema)},t=new SwaggerUi.Views.SignatureView({model:e,tagName:"div"}),$(".model-signature",this.$el).append(t.render().el),this}})}).call(this);

Found in path(s):
* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/assets/swagger-ui/swagger-ui.min.js
No license file was found, but licenses were detected in source scan.

/*!
* https://github.com/es-shims/es5-shim
* @license es5-shim Copyright 2009-2015 by contributors, MIT License
* see https://github.com/es-shims/es5-shim/blob/master/LICENSE
*/
// object is free to use the argument key to filter its

Found in path(s):
* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/assets/swagger-ui/lib/es5-shim.js
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/*
jQuery Wiggle

Author: WonderGroup, Jordan Thomas

URL: http://labs.wondergroup.com/demos/mini-ui/index.html

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*/

Found in path(s):

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-jar/assets/swagger-
ui/lib/jquery.wiggle.min.js

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* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/servlet/FaultInjectorFactory.java

* /opt/cola/permits/1288520104_1647351748.21/0/wiremock-2-18-0-sources-
jar/com/github/tomakehurst/wiremock/jetty9/JettyFaultInjectorFactory.java

1.38 fabric8-::-kubernetes-model-::-policy 4.13.3

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Found in path(s):
* /opt/cola/permits/1288519814_1647861838.2/0/kubernetes-model-policy-4-13-3-jar/META-
INF/maven/io.fabric8/kubernetes-model-policy/pom.xml
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* /opt/cola/permits/1288519814_1647861838.2/0/kubernetes-model-policy-4-13-3-jar/manifest.vm
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Manifest-Version: 1.0

Bnd-LastModified: 1619068639575

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Policy

Bundle-SymbolicName: io.fabric8.kubernetes-model-policy

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.policy;uses:="com.fast
erxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxml
.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fab
ric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";ver
sion="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Policy

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Policy

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1288519814_1647861838.2/0/kubernetes-model-policy-4-13-3-jar/META-INF/MANIFEST.MF

1.39 throttling-appender 1.1.0

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Found in path(s):

* /opt/cola/permits/1288519811_1647855410.0/0/logback-throttling-appender-1-1-0-sources-jar/META-
INF/maven/io.dropwizard.logback/logback-throttling-appender/pom.xml

1.40 fabric8-::-kubernetes-model-::-core 4.13.3

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Found in path(s):
* /opt/cola/permits/1288520097_1648099091.58/0/kubernetes-client-4-13-3-jar/META-
INF/maven/io.fabric8/kubernetes-client/pom.xml
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io.fabric8.kubernetes.client.AppsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1AdmissionRegistrationAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.AutoscalingAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.ApiextensionsAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.AuthorizationAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1AutoscalingAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V2beta1AutoscalingAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V2beta2AutoscalingAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.BatchAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.ExtensionsAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.MetricAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.NetworkAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.PolicyAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.RbacAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.SchedulingAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.SettingsAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.StorageAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1APIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1ApiextensionsAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1beta1ApiextensionsAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1AuthorizationAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1beta1AuthorizationAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1NetworkAPIGroupExtensionAdapter

io.fabric8.kubernetes.client.V1beta1NetworkAPIGroupExtensionAdapter

Found in path(s):
* /opt/cola/permits/1288520097_1648099091.58/0/kubernetes-client-4-13-3-jar/META-
INF/services/io.fabric8.kubernetes.client.ExtensionAdapter
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#

io.fabric8.kubernetes.client.URLFromEnvVarsImpl

io.fabric8.kubernetes.client.URLFromIngressImpl

io.fabric8.kubernetes.client.URLFromNodePortImpl

io.fabric8.kubernetes.client.URLFromClusterIPImpl

Found in path(s):

* /opt/cola/permits/1288520097_1648099091.58/0/kubernetes-client-4-13-3-jar/META-
INF/services/io.fabric8.kubernetes.client.ServiceToURLProvider

1.41 jackson-databind 2.13.1

1.41.1 Available under license :

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1.42 jacoco 0.8.7

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1.45 junixsocket-common 2.3.2

1.45.1 Available under license :

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* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/AFUNIXSocketCredentials.java

* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/NativeLibraryLoader.java

* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/AFUNIXSocket.java

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* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/AFUNIXSocketAddress.java

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* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/SuppressFBWarnings.java

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* /opt/cola/permits/1288519969_1647351764.27/0/junixsocket-common-2-3-2-sources-jar/org/newsclub/net/unix/AFUNIXServerSocket.java

1.46 aws-sdk-for-java-core 1.11.91

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*/
/**
  * <p>
  * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
  * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
can
  * be modified; it does not return information about other resource types.
  * </p>
  * <p>
  * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> |
  * <code>snapshot</code> | <code>volume</code>.
  * </p>
  * <p>
  * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
  * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
  * by running the <a>ModifyIdFormat command. Resources created with longer IDs are visible to all IAM
users,
  * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
  * command for the resource type.

```
 * </p>
 *
 * @param describeIdFormatRequest
 *        Contains the parameters for DescribeIdFormat.
 * @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
 * @sample AmazonEC2Async.DescribeIdFormat
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat"
target="_top">AWS API
 *        Documentation</a>
 */
/**
 * <p>
 * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
 * receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
 * </p>
 * <p>
 * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
 * user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
 * themselves. For more information, see <a
 * href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a> in the <i>Amazon
 * Elastic Compute Cloud User Guide</i>.
 * </p>
 * <p>
 * Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
 * provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
 * </p>
 *
 * @param modifyIdFormatRequest
 *        Contains the parameters of ModifyIdFormat.
 * @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
 * @sample AmazonEC2Async.ModifyIdFormat
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat"
target="_top">AWS API
 *        Documentation</a>
 */
```

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/**
  * <p>
  * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
  * types are enabled for longer IDs. This request only returns information about resource types whose ID formats can
  * be modified; it does not return information about other resource types.
  * </p>
  * <p>
  * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> |
  * <code>snapshot</code> | <code>volume</code>.
  * </p>
  * <p>
  * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
  * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
  * by running the <a>ModifyIdFormat command. Resources created with longer IDs are visible to all IAM users,
  * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
  * command for the resource type.
  * </p>
  *
  * @param describeIdFormatRequest
  *   Contains the parameters for DescribeIdFormat.
  * @return Result of the DescribeIdFormat operation returned by the service.
  * @sample AmazonEC2.DescribeIdFormat
  * @see AWS API
  *   Documentation
  */
/**
  * <p>
  * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
  * receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
  * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
  * </p>
  * <p>
  * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
  * default, an IAM user defaults to the same settings as the root user. If you're using this action as the root

* user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
* themselves. For more information, see <a
* href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs in the
<i>Amazon
* Elastic Compute Cloud User Guide</i>.
* </p>
* <p>
* Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
* provided that they have permission to use the relevant <code>Describe</code> command for the resource type.
* </p>
*
* @param modifyIdFormatRequest
*   Contains the parameters of ModifyIdFormat.
* @return Result of the ModifyIdFormat operation returned by the service.
* @sample AmazonEC2.ModifyIdFormat
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat"
target="_top">AWS API
*   Documentation
*/

Found in path(s):
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/AmazonEC2.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/AmazonEC2Client.java
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* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/TimestampFormatRequestHandler.java
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jar/com/amazonaws/services/ec2/util/package-info.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/GeneratePreSignUrlRequestHandler.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/util/S3UploadPolicy.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/auth/policy/actions/EC2Actions.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/DryRunResult.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-
jar/com/amazonaws/services/ec2/model/transform/EC2RequestHandler.java
* /opt/cola/permits/1288519772_1648116502.82/0/aws-java-sdk-ec2-1-11-91-sources-

jar/com/amazonaws/services/ec2/model/DryRunSupportedRequest.java

1.47 dropwizard-jackson-support 2.0.22

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* /opt/cola/permits/1288520134_1648116233.36/0/dropwizard-jetty-2-0-22-sources-
jar/io/dropwizard/jetty/LocalIpFilter.java
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* /opt/cola/permits/1288520134_1648116233.36/0/dropwizard-jetty-2-0-22-sources-
jar/io/dropwizard/jetty/NetUtil.java

1.48 guava-internalfuturefailureaccess-and-internalfutures 1.0.1

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* /opt/cola/permits/1130987386_1612872111.26/0/failureaccess-1-0-1-sources-
jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
* /opt/cola/permits/1130987386_1612872111.26/0/failureaccess-1-0-1-sources-
jar/com/google/common/util/concurrent/internal/InternalFutures.java

1.49 asm-tree 9.1

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Manifest-Version: 1.0
Bundle-DocURL: http://asm.ow2.org
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Bundle-ManifestVersion: 2
Bundle-Name: org.objectweb.asm.tree
Bundle-RequiredExecutionEnvironment: J2SE-1.5
Bundle-SymbolicName: org.objectweb.asm.tree
Bundle-Version: 9.1.0
Export-Package: org.objectweb.asm.tree;version="9.1";uses:="org.object
web.asm"
Implementation-Title: Tree API of ASM, a very small and fast Java byte
code manipulation framework

Implementation-Version: 9.1

Import-Package: org.objectweb.asm;version="[9.1,10)"

Module-Requires: org.objectweb.asm;transitive=true

Found in path(s):

* /opt/cola/permits/1183890441_1627493647.83/0/asm-tree-9-1-jar/META-INF/MANIFEST.MF

1.50 project-lombok 1.18.22

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ASM: a very small and fast Java bytecode manipulation framework
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rzwitserloot/com.zwitserloot.cmdreader

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projectlombok/lombok.patcher

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1.51 okhttp-logging-interceptor 4.9.3

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Found in path(s):
* /opt/cola/permits/1288520085_1648141986.97/0/logging-interceptor-4-9-3-sources-jar/okhttp3/logging/utf8.kt
* /opt/cola/permits/1288520085_1648141986.97/0/logging-interceptor-4-9-3-sources-jar/okhttp3/logging/HttpLoggingInterceptor.kt
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Found in path(s):
* /opt/cola/permits/1288520085_1648141986.97/0/logging-interceptor-4-9-3-sources-
jar/okhttp3/logging/LoggingEventListener.kt

1.52 apache-ant 1.10.12

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jar/com/google/code/tempusfugit/concurrency/DefaultThreadFactory.java

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jar/com/google/code/tempusfugit/concurrency/Interrupter.java

* /opt/cola/permits/1164590935_1620940272.96/0/tempus-fugit-1-1-sources-2-
jar/com/google/code/tempusfugit/WithException.java

* /opt/cola/permits/1164590935_1620940272.96/0/tempus-fugit-1-1-sources-2-
jar/com/google/code/tempusfugit/temporal/Condition.java

* /opt/cola/permits/1164590935_1620940272.96/0/tempus-fugit-1-1-sources-2-
jar/com/google/code/tempusfugit/concurrency/ThreadUtils.java

1.56 apache-commons-beanutils 1.9.4

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1.57 fabric8-::-kubernetes-model-::-apps 4.13.3

1.57.1 Available under license :

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Manifest-Version: 1.0
Bnd-LastModified: 1619068485705
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Apps

Bundle-SymbolicName: io.fabric8.kubernetes-model-apps
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.apps;uses:="com.faster
xml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxml.j
ackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fabri
c8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";versi
on="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Apps
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Apps
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519826_1647861654.16/0/kubernetes-model-apps-4-13-3-jar/META-INF/MANIFEST.MF
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* /opt/cola/permits/1288519826_1647861654.16/0/kubernetes-model-apps-4-13-3-jar/META-
INF/maven/io.fabric8/kubernetes-model-apps/pom.xml

1.58 metrics-core 4.1.22

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1.59 woodstox 6.2.7

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1.60 commons-codec 1.15

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1.61 mockito 1.10.19

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Manifest-Version: 1.0
Bnd-LastModified: 1619068547404
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Batch
Bundle-SymbolicName: io.fabric8.kubernetes-model-batch
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.batch;uses:="com.faste
 rxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxml.
 jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fabr
 ic8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";vers
 ion="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Batch
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Batch

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

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1.64 jackson-annotations 2.13.1

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1.65 jackson-datatype-jdk8 2.12.2

1.65.1 Available under license :

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1.66 fabric8-::-kubernetes-model-::-discovery 4.13.3

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Manifest-Version: 1.0
Bnd-LastModified: 1619068579958
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Discovery
Bundle-SymbolicName: io.fabric8.kubernetes-model-discovery
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.discovery;uses:="com.f
 asterxml.jackson.annotation,com.fasterxml.jackson.databind,com.faster
 xml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.
 fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";
 version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Discovery
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Discovery
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

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INF/maven/io.fabric8/kubernetes-model-discovery/pom.xml

1.67 checker-qual 3.12.0

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1.68 jackson-datatype-guava 2.13.1

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1.69 fabric8-::-kubernetes-model-::-extensions 4.13.3

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Manifest-Version: 1.0

Bnd-LastModified: 1619068600781

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Extensions

Bundle-SymbolicName: io.fabric8.kubernetes-model-extensions

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.extensions;uses:="com.
 fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.faste
 rxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io
 .fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation"
 ;version="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Extensions

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Extensions

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

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1.70 okio 2.8.0

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* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/internal/RealBufferedSink.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/internal/SegmentedByteString.kt
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* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/Buffer.kt
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jar/commonMain/okio/RealBufferedSource.kt
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* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/BufferedSink.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/JvmOkio.kt
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* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/BufferedSource.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/GzipSource.kt
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* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/-Platform.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/-Platform.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/internal/-Utf8.kt
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 */

Found in path(s):
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/HashingSink.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/Pipe.kt

* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/jvmMain/okio/HashingSource.kt
* /opt/cola/permits/1274700344_1645235023.94/0/okio-2-8-0-sources-jar/commonMain/okio/Options.kt

1.71 fabric8-::-kubernetes-model-::-common 4.13.3

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Found in path(s):
* /opt/cola/permits/1288520151_1647861705.13/0/kubernetes-model-common-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-common/pom.xml
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bnd-LastModified: 1619068339611
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Common
Bundle-SymbolicName: io.fabric8.kubernetes-model-common
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.model.annotation;version="4.13.3
",io.fabric8.kubernetes.model.util;version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Common
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3

Import-Package: io.fabric8.kubernetes.model.annotation

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Common

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1288520151_1647861705.13/0/kubernetes-model-common-4-13-3-jar/META-INF/MANIFEST.MF

1.72 reflections 0.9.11

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1.73 google-guice 4.2.3

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INF/maven/io.fabric8/kubernetes-model-metrics/pom.xml

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Manifest-Version: 1.0
Bnd-LastModified: 1619068629071
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Metrics
Bundle-SymbolicName: io.fabric8.kubernetes-model-metrics
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.metrics.v1beta1;uses:=
 "com.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.
 fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.build
 er,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annota
 tion";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Metrics
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Metrics

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1288519885_1647861811.17/0/kubernetes-model-metrics-4-13-3-jar/META-INF/MANIFEST.MF

1.75 jsr311-api 1.1.1

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1.76 hk2-implementation-utilities 2.5.0-b32

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1.77 fabric8-::-kubernetes-model-::-autoscaling 4.13.3

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Manifest-Version: 1.0

Bnd-LastModified: 1619068504373

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Autoscaling

Bundle-SymbolicName: io.fabric8.kubernetes-model-autoscaling

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.autoscaling.v1;uses:="
com.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.f
asterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builde
r,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotat
ion";version="4.13.3",io.fabric8.kubernetes.api.model.autoscaling.v2b
eta1;uses:="com.fasterxml.jackson.annotation,com.fasterxml.jackson.da
tabind,com.fasterxml.jackson.databind.annotation,io.fabric8.kubernete
s.api.builder,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.m
odel.annotation";version="4.13.3",io.fabric8.kubernetes.api.model.aut
oscaling.v2beta2;uses:="com.fasterxml.jackson.annotation,com.fasterxm
l.jackson.databind,com.fasterxml.jackson.databind.annotation,io.fabri
c8.kubernetes.api.builder,io.fabric8.kubernetes.api.model,io.fabric8.
kubernetes.model.annotation";version="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Autoscaling

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Autoscaling

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

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1.78 jcommander-library 1.78

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* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/JCommander.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/UnixStyleUsageFormatter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/DefaultUsageFormatter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/IUsageFormatter.java
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* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/IParameterValidator2.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/IParameterValidator.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/NoValidator.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/NoValueValidator.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/PositiveInteger.java
No license file was found, but licenses were detected in source scan.

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* limitations under the License.
*/
```

Found in path(s):
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/URLConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/NoConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IDefaultProvider.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Maps.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/MissingCommandException.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/defaultprovider/PropertyFileDefaultProvider.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/CharArrayConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/FileConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/ISO8601DateConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/DoubleConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-

jar/com/beust/jcommander/ParameterException.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/IntegerConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BigDecimalConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BooleanConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/FloatConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ResourceBundle.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/Parameters.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IStringConverterFactory.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Lists.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Sets.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/PathConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/Parameter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/LongConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/DefaultConverterFactory.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BaseConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ParameterDescription.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IStringConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/InetAddressConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/StringConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/URIConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ParametersDelegate.java

1.79 hamcrest 1.3

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```
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```
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<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">

<head>
 <meta http-equiv="Content-Type" content="text/html;charset=utf-8" />
 <title>EasyMock License</title>
 <link rel="stylesheet" href="easymock.css" />
</head>

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</div>
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1.81 apache-httpcomponents-core 4.4.13

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1.82 asm-analysis 9.1

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* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
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* Constructs a new {@link BasicInterpreter} for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the {@link #BasicInterpreter(int)}
 * version.
 */

Found in path(s):
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
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/**
 * Constructs a new {@link SourceInterpreter} for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the {@link #SourceInterpreter(int)}
 * version.
 */

Found in path(s):
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java

1.83 easymock 3.3.1

1.84 zjsonpatch 0.3.0
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<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.flipkart.zjsonpatch</groupId>
  <artifactId>zjsonpatch</artifactId>
  <version>0.3.0</version>

```xml
<packaging>jar</packaging>

<name>zjsonpatch</name>
<description>Java Library to find / apply JSON Patches according to RFC 6902</description>
<url>https://github.com/flipkart-incubator/zjsonpatch/</url>

<scm>
    <connection>scm:git:https://github.com/flipkart-incubator/zjsonpatch.git</connection>
    <developerConnection>scm:git:https://github.com/flipkart-incubator/zjsonpatch.git</developerConnection>
    <tag>HEAD</tag>
    <url>https://github.com/flipkart-incubator/zjsonpatch</url>
</scm>

<developers>
    <developer>
        <id>vishwakarma</id>
        <name>Gopi Vishwakarma</name>
        <email>vishwakarma.iiita@gmail.com</email>
    </developer>
</developers>

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        <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
        <distribution>repo</distribution>
    </license>
</licenses>

<properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <jackson.version>2.8.5</jackson.version>
</properties>

<build>
    <plugins>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-compiler-plugin</artifactId>
            <version>2.3.1</version>
            <configuration>
                <source>1.6</source>
                <target>1.6</target>
                <showDeprecation>true</showDeprecation>
                <showWarnings>true</showWarnings>
            </configuration>
        </plugin>
        <plugin>
```

```xml
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-source-plugin</artifactId>
        <version>2.2.1</version>
        <executions>
          <execution>
            <id>attach-sources</id>
            <goals>
              <goal>jar-no-fork</goal>
            </goals>
          </execution>
        </executions>
      </plugin>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-javadoc-plugin</artifactId>
        <version>2.9.1</version>
        <executions>
          <execution>
            <id>attach-javadocs</id>
            <goals>
              <goal>jar</goal>
            </goals>
          </execution>
        </executions>
      </plugin>
      <plugin>
        <groupId>org.sonatype.plugins</groupId>
        <artifactId>nexus-staging-maven-plugin</artifactId>
        <version>1.6.3</version>
        <extensions>true</extensions>
        <configuration>
          <serverId>ossrh</serverId>
          <nexusUrl>https://oss.sonatype.org/</nexusUrl>
          <autoReleaseAfterClose>true</autoReleaseAfterClose>
        </configuration>
      </plugin>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-gpg-plugin</artifactId>
        <version>1.4</version>
        <executions>
          <execution>
            <id>sign-artifacts</id>
            <phase>verify</phase>
            <goals>
              <goal>sign</goal>
            </goals>
          </execution>
```

```xml
                    </executions>
                </plugin>
                <plugin>
                    <groupId>org.apache.maven.plugins</groupId>
                    <artifactId>maven-release-plugin</artifactId>
                    <version>2.5</version>
                    <configuration>
                        <autoVersionSubmodules>true</autoVersionSubmodules>
                        <useReleaseProfile>false</useReleaseProfile>
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                        <goals>deploy</goals>
                    </configuration>
                </plugin>
            </plugins>
        </build>
        <dependencies>
            <dependency>
                <groupId>com.fasterxml.jackson.core</groupId>
                <artifactId>jackson-databind</artifactId>
                <version>${jackson.version}</version>
            </dependency>
            <dependency>
                <groupId>com.fasterxml.jackson.core</groupId>
                <artifactId>jackson-core</artifactId>
                <version>${jackson.version}</version>
            </dependency>
            <dependency>
                <groupId>com.google.guava</groupId>
                <artifactId>guava</artifactId>
                <version>18.0</version>
            </dependency>
            <dependency>
                <scope>test</scope>
                <groupId>commons-io</groupId>
                <artifactId>commons-io</artifactId>
                <version>2.4</version>
            </dependency>
            <dependency>
                <scope>test</scope>
                <groupId>junit</groupId>
                <artifactId>junit</artifactId>
                <version>4.12</version>
            </dependency>
            <dependency>
                <groupId>org.apache.commons</groupId>
                <artifactId>commons-collections4</artifactId>
                <version>4.1   </version>
            </dependency>
```

```
        </dependencies>
    <distributionManagement>
        <snapshotRepository>
            <id>ossrh</id>
            <url>https://oss.sonatype.org/content/repositories/snapshots</url>
        </snapshotRepository>
        <repository>
            <id>ossrh</id>
            <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
        </repository>
    </distributionManagement>
</project>
```

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* /opt/cola/permits/1288519755_1647351836.02/0/zjsonpatch-0-3-0-jar/META-
INF/maven/com.flipkart.zjsonpatch/zjsonpatch/pom.xml

1.85 jetbrains-kotlin-kotlin-stdlib-jdk7 1.4.10

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1.86 apache-commons-math 2.1

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Manifest-Version: 1.0
Bnd-LastModified: 1619068558702
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Certificates
Bundle-SymbolicName: io.fabric8.kubernetes-model-certificates
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.certificates;uses:="co
 m.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.fas
 terxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,
 io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotatio
 n";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Certificates
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Certificates
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

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1.88 system-rules 1.18.0

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1.89 jackson-xc 2.13.1

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1.90 dropwizard-logging-support 2.0.22

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1.91 org.apache.commons.fileupload 1.4

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* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/RetryableException.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/Decoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/InvocationHandlerFactory.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/DecodeException.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/ResponseMapper.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Headers.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/DefaultMethodHandler.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/querymap/BeanQueryMapEncoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/RequestLine.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/template/HeaderTemplate.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Body.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/ExceptionPropagationPolicy.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/DeclarativeContract.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/ReflectiveFeign.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Retryer.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/ErrorDecoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Param.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/MethodMetadata.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/optionals/OptionalDecoder.java

* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/template/Template.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/HeaderMap.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/EncodeException.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/template/UriTemplate.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/template/Expressions.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/auth/Base64.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/SynchronousMethodHandler.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/Encoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/auth/BasicAuthRequestInterceptor.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Experimental.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/QueryMapEncoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/template/Literal.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/querymap/FieldQueryMapEncoder.java
* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/Target.java
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* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/codec/StringDecoder.java

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* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/FeignException.java

* /opt/cola/permits/1288519978_1647351807.76/0/feign-core-10-7-4-sources-jar/feign/CollectionFormat.java

1.94 junit 4.13.2

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1.95 jackson-core 2.13.1

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1.97 kotlin-stdlib 1.4.10

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* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/String.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/ArrayIntrinsics.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Library.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/internal/InternalAnnotations.kt

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* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Iterator.kt

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* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/annotation/Annotations.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/reflect/KParameter.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Boolean.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Nothing.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Throwable.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Char.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Comparable.kt

* /opt/cola/permits/1135848183_1613614279.91/0/kotlin-stdlib-1-4-10-sources-1-jar/kotlin/Unit.kt

1.98 metrics-integration-for-logback 4.1.22

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics.logback

Build-Jdk: 1.8.0_292

Built-By: runner

Bundle-Description: An instrumented appender for Logback.

Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.html

Bundle-ManifestVersion: 2

Bundle-Name: Metrics Integration for Logback

Bundle-SymbolicName: io.dropwizard.metrics.logback

Bundle-Version: 4.1.22

Created-By: Apache Maven Bundle Plugin

Export-Package: com.codahale.metrics.logback;uses:="ch.qos.logback.cla

ssic.spi,ch.qos.logback.core,com.codahale.metrics";version="4.1.22"

Implementation-Title: Metrics Integration for Logback

Implementation-URL: https://metrics.dropwizard.io/metrics-logback

Implementation-Vendor-Id: io.dropwizard.metrics

Implementation-Version: 4.1.22

Import-Package: ch.qos.logback.classic;version="[1.2,2)",ch.qos.logbac

k.classic.spi;version="[1.2,2)",ch.qos.logback.core;version="[1.2,2)"

,com.codahale.metrics;version="[4.1,5)"

Private-Package: com.codahale.metrics.logback

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1288519750_1647859502.52/0/metrics-logback-4-1-22-jar/META-INF/MANIFEST.MF

1.99 jetty-java-based-http-1-x-http-2-servlet-websocket-server 9.4.44.20210927

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following
artifacts may be included in the distribution or downloaded when ALPN
module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the
terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
 org.apache.tomcat:tomcat-jasper
 org.apache.tomcat:tomcat-juli
 org.apache.tomcat:tomcat-jsp-api
 org.apache.tomcat:tomcat-el-api
 org.apache.tomcat:tomcat-jasper-el
 org.apache.tomcat:tomcat-api
 org.apache.tomcat:tomcat-util-scan
 org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
 org.apache.tomcat:tomcat-jasper-el
 org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.100 joda-time 2.8.1

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1.106 feign-jax-rs 10.7.4

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* /opt/cola/permits/1288520091_1647861905.46/0/feign-jaxrs-10-7-4-jar/META-INF/maven/io.github.openfeign/feign-jaxrs/pom.xml
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Manifest-Version: 1.0

Bundle-Description: Feign JAX-RS

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-SymbolicName: io.github.openfeign.feign-jaxrs

Built-By: travis

Bnd-LastModified: 1579631419405

Bundle-ManifestVersion: 2

Bundle-DocURL: https://github.com/openfeign

Bundle-Vendor: OpenFeign

Import-Package: feign;version="[10.7,11)",javax.ws.rs;version="[1.1,2)

"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-4.0.0.201805111645

Export-Package: feign.jaxrs;uses:=feign;version="10.7.4"

Bundle-Name: Feign JAX-RS

Bundle-Version: 10.7.4

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0_222

Found in path(s):
* /opt/cola/permits/1288520091_1647861905.46/0/feign-jaxrs-10-7-4-jar/META-INF/MANIFEST.MF

1.107 picocli 4.2.0

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1.108 servicelocator-default-implementation 2.5.0-b32

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* /opt/cola/permits/1288520098_1647861833.26/0/kubernetes-model-node-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-node/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1619068770964
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Node
Bundle-SymbolicName: io.fabric8.kubernetes-model-node
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.node.v1alpha1;uses:="c
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sterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder
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otation";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Node
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
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bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Node
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Tool: Bnd-5.1.1.202006162103

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1.110 jackson-datatype-jsr310 2.12.2

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jar/org/newsclub/lib/junixsocket/common/NarMetadata.java

1.112 objenesis 2.1

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1.113 hibernate-validator 6.1.7.Final

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1.114 asm 5.0.3

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1.116 jaxb-xml-binding-code-generator-package 2.3.3

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1.119 feign-jackson 10.7.4

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1.120 jersey-media-multipart 2.25.1

1.121 jakarta-expression-language-3.0-implementation 3.0.3

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1.127 jta 1.2

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jar/org/atteo/moonshine/jta/TransactionalInterceptor.java

* /opt/cola/permits/1164625802_1620937740.34/0/jta-1-2-sources-7-jar/org/atteo/moonshine/jta/Transactional.java
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* /opt/cola/permits/1164625802_1620937740.34/0/jta-1-2-sources-7-
jar/org/atteo/moonshine/jta/JtaConnectionFactoryWrapper.java
* /opt/cola/permits/1164625802_1620937740.34/0/jta-1-2-sources-7-
jar/org/atteo/moonshine/jta/JtaDataSourceWrapper.java
* /opt/cola/permits/1164625802_1620937740.34/0/jta-1-2-sources-7-jar/org/atteo/moonshine/jta/PoolOptions.java

1.128 kotlin-stdlib-common 1.4.10

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1.129 checkstyle 8.31

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1.130 fabric8-::-kubernetes-model-::-storage-class 4.13.3

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INF/maven/io.fabric8/kubernetes-model-storageclass/pom.xml
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Manifest-Version: 1.0

Bnd-LastModified: 1619068667397

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Storage Class

Bundle-SymbolicName: io.fabric8.kubernetes-model-storageclass

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.storage;uses:="com.fas
terxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxm
l.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fa
bric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";ve
rsion="4.13.3",io.fabric8.kubernetes.api.model.storage.v1beta1;uses:=
"com.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.
fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.build
er,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annota
tion";version="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Storage Class

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Storage Class

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

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* /opt/cola/permits/1288519903_1647861506.61/0/kubernetes-model-storageclass-4-13-3-jar/META-
INF/MANIFEST.MF

1.131 feign-slf4j 10.7.4

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1.132 bean-validation-api 2.0.1
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1.137 apache-httpmime 4.5.13

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* /opt/cola/permits/1288519942_1647861852.16/0/kubernetes-model-rbac-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-rbac/pom.xml

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Manifest-Version: 1.0
Bnd-LastModified: 1619068440938
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: RBAC
Bundle-SymbolicName: io.fabric8.kubernetes-model-rbac
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.rbac;uses:="com.faster
 xml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxml.j
 ackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fabri
 c8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";versi
 on="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: RBAC
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Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
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 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: RBAC
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519942_1647861852.16/0/kubernetes-model-rbac-4-13-3-jar/META-INF/MANIFEST.MF

1.139 fabric8-::-kubernetes-model-::-scheduling 4.13.3

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Found in path(s):
* /opt/cola/permits/1288519787_1647861855.61/0/kubernetes-model-scheduling-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-scheduling/pom.xml
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Bnd-LastModified: 1619068650619
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Scheduling
Bundle-SymbolicName: io.fabric8.kubernetes-model-scheduling
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.scheduling;uses:="com.
fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.faste
rxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io
.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation"
;version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Scheduling
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Scheduling
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519787_1647861855.61/0/kubernetes-model-scheduling-4-13-3-jar/META-
INF/MANIFEST.MF
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Found in path(s):
* /opt/cola/permits/1288519787_1647861855.61/0/kubernetes-model-scheduling-4-13-3-jar/manifest.vm

1.140 oshi-core 5.7.4

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*/

Found in path(s):
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/software/os/mac/MacOperatingSystem.java
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Found in path(s):
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/HardwareAbstractionLayer.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/CentralProcessor.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/common/package-
info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/driver/unix/aix/perfstat/PerfstatProtocol.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/unix/solaris/SolarisVirtualMemory.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/software/os/unix/openbsd/OpenBsdFileSystem.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/linux/LinuxFirmware.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/software/common/AbstractNetworkParams.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/linux/proc/CpuInfo.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/software/os/mac/MacNetworkParams.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/GlobalConfig.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/FileSystemUtil.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/platform/mac/CFUtil.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/software/os/unix/solaris/SolarisNetworkParams.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/Display.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/unix/openbsd/OpenBsdUsbDevice.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/driver/unix/freebsd/disk/Mount.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/UsbDevice.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/windows/WindowsHWDiskStore.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/windows/WindowsLogicalVolumeGroup.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/platform/unix/solaris/SolarisCentralProcessor.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/jna/platform/linux/package-
info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/driver/unix/aix/perfstat/PerfstatCpu.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/driver/windows/wmi/Win32OperatingSystem.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/ParseUtil.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-
jar/oshi/hardware/common/AbstractComputerSystem.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/tuples/Pair.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/jna/platform/unix/aix/AixLibc.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/aix/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/common/AbstractSoundCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/openbsd/OpenBsdGraphicsCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/solaris/SolarisHardwareAbstractionLayer.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/mac/disk/Fsstat.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/linux/Who.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/UnixDisplay.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/mac/MacOSThread.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/openbsd/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/openbsd/OpenBsdHWDiskStore.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/aix/AixPowerSource.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/OperatingSystem.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/openbsd/OpenBsdGlobalMemory.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/wmi/Win32BaseBoard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/windows/WindowsGraphicsCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/windows/WindowsInternetProtocolStats.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/openbsd/OpenBsdOSThread.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/windows/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/platform/windows/PerfDataUtil.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/VirtualMemory.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdUsbDevice.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/common/AbstractOperatingSystem.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/linux/LinuxGraphicsCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/openbsd/OpenBsdOSFileStore.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/linux/LinuxVirtualMemory.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/solaris/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/mac/MacDisplay.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/aix/Lspv.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/windows/WindowsDisplay.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/freebsd/Who.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/mac/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/mac/MacHardwareAbstractionLayer.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/aix/AixHardwareAbstractionLayer.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/jna/platform/unix/freebsd/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/aix/AixHWDiskStore.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/openbsd/OpenBsdNetworkParams.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/wmi/Win32LogicalDisk.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/linux/LinuxNetworkIF.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/platform/unix/openbsd/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/DeviceTree.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/solaris/SolarisComputerSystem.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/platform/linux/ProcPath.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/annotation/concurrent/NotThreadSafe.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/aix/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/openbsd/OpenBsdInternetProtocolStats.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/freebsd/disk/package-info.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/windows/WindowsBaseboard.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/Util.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/ComputerSystem.java
* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-

jar/oshi/hardware/platform/linux/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/solaris/disk/Prtvtoc.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/util/platform/unix/openbsd/FstatUtil.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/solaris/SolarisGraphicsCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/registry/ProcessPerformanceData.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/perfmon/PagingFile.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/common/AbstractPowerSource.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/openbsd/OpenBsdFirmware.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/common/AbstractBaseboard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/SoundCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/linux/LinuxSensors.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/mac/WindowInfo.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/freebsd/disk/GeomDiskList.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/OSSession.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/jna/platform/unix/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/windows/wmi/OhmSensor.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/freebsd/FreeBsdOSThread.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/aix/perfstat/PerfstatNetInterface.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/common/AbstractHWDiskStore.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/openbsd/OpenBsdOperatingSystem.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/common/AbstractOSProcess.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/annotation/concurrent/package-info.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/mac/MacUsbDevice.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/aix/AixSensors.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/unix/freebsd/FreeBsdOSFileStore.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/os/mac/MacInternetProtocolStats.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/software/common/AbstractOSThread.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/Baseboard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/hardware/platform/unix/freebsd/FreeBsdSoundCard.java

* /opt/cola/permits/1288519999_1647351788.16/0/oshi-core-5-7-4-sources-jar/oshi/driver/unix/NetStat.java

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jar/jersey/repackaged/com/google/common/collect/MinMaxPriorityQueue.java
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jar/jersey/repackaged/com/google/common/collect/SortedMapDifference.java

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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/annotations/package-info.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/base/package-info.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/LinkedHashMultiset.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/util/concurrent/package-info.java
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jar/jersey/repackaged/com/google/common/eventbus/AsyncEventBus.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingIterator.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/eventbus/Subscribe.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingConcurrentMap.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ListMultimap.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/AbstractIterator.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ByFunctionOrdering.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/RegularImmutableSet.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/base/Defaults.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/Constraint.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-

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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/Maps.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/io/LittleEndianDataOutputStream.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/base/Charsets.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/MutableClassToInstanceMap.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/io/package-info.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ComparatorOrdering.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ForwardingMapEntry.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/io/LineReader.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/Multisets.java

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

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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/util/concurrent/Striped.java

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/*
  * This following method is a modified version of one found in
  * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
  * which contained the following notice:
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jar/jersey/repackaged/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/CartesianList.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/hash/SipHashFunction.java
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jar/jersey/repackaged/com/google/common/hash/HashingInputStream.java

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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/SortedIterables.java

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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableSetMultimap.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableEnumSet.java
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jar/jersey/repackaged/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-

jar/jersey/repackaged/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/escape/Escapers.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/util/concurrent/AbstractIdleService.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/SingletonImmutableList.java
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jar/jersey/repackaged/com/google/common/util/concurrent/SettableFuture.java
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jar/jersey/repackaged/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
jar/jersey/repackaged/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-
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jar/jersey/repackaged/com/google/common/collect/SortedMultiset.java

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jar/jersey/repackaged/com/google/common/collect/SortedLists.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ContiguousSet.java
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* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/MultimapBuilder.java

* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1130987488_1615189252.35/0/jersey-guava-2-25-1-sources-jar/jersey/repackaged/com/google/common/collect/ImmutableMapEntry.java

1.142 apache-xerces2-j 2.12.1
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1.143 antlr 2.7.7

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1.144 jackson-jaxrs 2.13.1

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1.145 fabric8-::-kubernetes-model-::-admission-registration,-authentication-and-authorization 4.13.3

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Bnd-LastModified: 1619068462582
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
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Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Admission Registration, Au
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Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.admission;uses:="com.f
asterxml.jackson.annotation,com.fasterxml.jackson.databind,com.faster
xml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.
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.model,io.fabric8.kubernetes.model.annotation";version="4.13.3",io.fa
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abind.annotation,io.fabric8.kubernetes.api.builder,io.fabric8.kuberne
tes.api.model";version="4.13.3",io.fabric8.kubernetes.api.model.autho
rization.v1;uses:="com.fasterxml.jackson.annotation,com.fasterxml.jac
kson.databind,com.fasterxml.jackson.databind.annotation,io.fabric8.ku
bernetes.api.builder,io.fabric8.kubernetes.api.model";version="4.13.3
",io.fabric8.kubernetes.api.model.authorization.v1beta1;uses:="com.fa
sterxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterx
ml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.f
abric8.kubernetes.api.model";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Admission Registr
ation, Authentication and Authorization
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
bernetes.api.model.authentication,io.fabric8.kubernetes.model.annotat
ion;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Admission Registra
tion, Authentication and Authorization
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519860_1647861596.41/0/kubernetes-model-admissionregistration-4-13-3-jar/META-INF/MANIFEST.MF
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* /opt/cola/permits/1288519860_1647861596.41/0/kubernetes-model-admissionregistration-4-13-3-jar/META-INF/maven/io.fabric8/kubernetes-model-admissionregistration/pom.xml

1.146 hibernate-validator 6.1.6.Final

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1.147 jackson-module-afterburner 2.13.1

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1.148 asm 4.2

1.149 cglib 3.1

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1.150 testng 7.4.0

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Manifest-Version: 1.0

Implementation-Title: TestNG

Bundle-Description: Testing framework for Java

Automatic-Module-Name: org.testng

Bundle-License: https://apache.org/licenses/LICENSE-2.0

Bundle-SymbolicName: org.testng

Implementation-Version: 7.4.0

Specification-Vendor: TestNG

Specification-Title: TestNG

Implementation-Vendor-Id: org.testng

Bundle-Vendor: TestNG

Import-Package:

      "bsh.*;version="[2.0.0,3.0.0)";resolu

tion:=optional",

      "com.beust.jcommander.*;version="[1.

7.0,3.0.0)";resolution:=optional",

      "com.google.inject

.*;version="[1.2,1.3)";resolution:=optional",

      "junit.

framework;version="[3.8.1, 5.0.0)";resolution:=optional",

   "org.junit.*;resolution:=optional",
        "org.apache.
tools.ant.*;version="[1.7.0, 2.0.0)";resolution:=optional",

   "org.yaml.*;version="[1.6,2.0)";resolution:=optional",

   "!com.beust.testng",
        "!org.testng.*",

   "!com.sun.*",
        "*"

Implementation-Vendor: TestNG
Bundle-Name: TestNG
Bundle-Version: 7.4.0
Specification-Version: 7.4.0
Implementation-Url: https://testng.org

Found in path(s):
* /opt/cola/permits/1183866027_1648141843.47/0/testng-7-4-0-jar/META-INF/MANIFEST.MF

1.151 jax-ws-api 2.3.3

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* https://github.com/eclipse-ee4j/jax-ws-api
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1.152 apache-http-client 4.5.13

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Manifest-Version: 1.0

Bundle-DocURL: http://asm.ow2.org

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Bundle-ManifestVersion: 2

Bundle-Name: org.objectweb.asm.commons

Bundle-RequiredExecutionEnvironment: J2SE-1.5

Bundle-SymbolicName: org.objectweb.asm.commons

Bundle-Version: 9.1.0

Export-Package: org.objectweb.asm.commons;version="9.1";uses:="org.obj
ectweb.asm,org.objectweb.asm.signature,org.objectweb.asm.tree"

Implementation-Title: Usefull class adapters based on ASM, a very smal
l and fast Java bytecode manipulation framework

Implementation-Version: 9.1

Import-Package: org.objectweb.asm;version="[9.1,10)",org.objectweb.asm
.signature;version="[9.1,10)",org.objectweb.asm.tree;version="[9.1,10
)"

Module-Requires: org.objectweb.asm;transitive=true,org.objectweb.asm.t
ree;transitive=true,org.objectweb.asm.tree.analysis;transitive=true

Found in path(s):

* /opt/cola/permits/1183889887_1627494130.56/0/asm-commons-9-1-jar/META-INF/MANIFEST.MF

1.156 slf4j-binding 2.17.1

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1.157 junit 4.11

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their package names from 'org.jfree' to 'clover.org.jfree'. This was necessary to avoid potential name
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===
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David Megginson, david@megginson.com
2000-05-05
==
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their package names from 'it.unimi.dsi.fastutil' to 'clover.it.unimi.dsi.fastutil'. 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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No source code of the original library was modified.

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org
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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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/*
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
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1.161 jackson-dataformat-yaml 2.13.1

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1.165 jna 4.1.0

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1.170 fabric8-::-kubernetes-model-::-api-extensions 4.13.3

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*

Found in path(s):

* /opt/cola/permits/1288519788_1647861625.92/0/kubernetes-model-apiextensions-4-13-3-jar/manifest.vm

No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0

Bnd-LastModified: 1619068527673

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: API Extensions

Bundle-SymbolicName: io.fabric8.kubernetes-model-apiextensions

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.apiextensions.v1;uses:

="com.fasterxml.jackson.annotation,com.fasterxml.jackson.core,com.fas

terxml.jackson.databind,com.fasterxml.jackson.databind.annotation,io.
fabric8.kubernetes.api.builder,io.fabric8.kubernetes.api.model,io.fab
ric8.kubernetes.model.annotation";version="4.13.3",io.fabric8.kuberne
tes.api.model.apiextensions.v1beta1;uses:="com.fasterxml.jackson.anno
tation,com.fasterxml.jackson.core,com.fasterxml.jackson.databind,com.
fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.build
er,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annota
tion";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: API Extensions
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
m.fasterxml.jackson.core;version="[2.11,3)",com.fasterxml.jackson.cor
e.type;version="[2.11,3)",com.fasterxml.jackson.databind;version="[2.
11,3)",com.fasterxml.jackson.databind.annotation;version="[2.11,3)",i
o.fabric8.kubernetes.api.builder;version="[4.13,5)",io.fabric8.kubern
etes.api.model,io.fabric8.kubernetes.model.annotation;version="[4.13,
5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: API Extensions
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288519788_1647861625.92/0/kubernetes-model-apiextensions-4-13-3-jar/META-
INF/MANIFEST.MF
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Found in path(s):
* /opt/cola/permits/1288519788_1647861625.92/0/kubernetes-model-apiextensions-4-13-3-jar/META-
INF/maven/io.fabric8/kubernetes-model-apiextensions/pom.xml

1.171 generex 1.0.2

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Found in path(s):
* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-
e910243/README.md
No license file was found, but licenses were detected in source scan.

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
 xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
 <modelVersion>4.0.0</modelVersion>
 <groupId>com.github.mifmif</groupId>
 <artifactId>generex</artifactId>
 <version>1.0.2</version>
 <name>Generex</name>
 <url>https://github.com/mifmif/Generex/tree/master</url>
 <description>Generex A Java Library for regex to Strings generation</description>
 <packaging>jar</packaging>
 <licenses>
  <license>
   <name>The Apache Software License, Version 2.0</name>
   <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
   <distribution>repo</distribution>
  </license>
 </licenses>
 <developers>
  <developer>
   <id>mifmif</id>
   <name>MIFRAH Youssef</name>
   <email>mifmif.com@gmail.com</email>
  </developer>
  <developer>
   <id>mkolisnyk</id>
   <name>mkolisnyk</name>
   <email>kolesnik.nickolay@gmail.com</email>
  </developer>
 </developers>

 <parent>
  <groupId>org.sonatype.oss</groupId>
  <artifactId>oss-parent</artifactId>

```xml
      <version>7</version>
   </parent>

   <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.pmd.excludes>**/generated-sources/**</maven.pmd.excludes>
   </properties>
   <scm>
    <connection>scm:git:git@github.com:mifmif/Generex.git</connection>
    <developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
    <url>https://github.com/mifmif/Generex.git</url>
   </scm>
   <ciManagement>
    <url>https://travis-ci.org/mifmif/Generex/builds</url>
    <system>Travis</system>
    <notifiers>
     <notifier>
      <address>mifmif.com@gmail.com</address>
      <type>mail</type>
     </notifier>
     <notifier>
      <address>kolesnik.nickolay@gmail.com</address>
      <type>mail</type>
     </notifier>
    </notifiers>
   </ciManagement>

   <distributionManagement>
    <snapshotRepository>
     <id>ossrh</id>
     <url>https://oss.sonatype.org/content/repositories/snapshots</url>
    </snapshotRepository>
    <repository>
     <id>ossrh</id>
     <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
    </repository>
   </distributionManagement>


   <build>
    <sourceDirectory>src/main/java</sourceDirectory>
    <testSourceDirectory>src/test/java</testSourceDirectory>
    <resources>
     <resource>
      <directory>src</directory>
      <excludes>
       <exclude>**/*.java</exclude>
      </excludes>
```

```xml
        </resource>
        <resource>
          <directory>target/dependency</directory>
          <excludes>
            <exclude>**/*.java</exclude>
          </excludes>
        </resource>
        <resource>
          <directory>src/main/resources</directory>
          <includes>
            <include>**/*.properties</include>
          </includes>
        </resource>
      </resources>
      <plugins>
        <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-install-plugin</artifactId>
          <version>2.5.2</version>
          <configuration>
            <file>target/${project.artifactId}-${project.version}.jar</file>
            <groupId>${project.groupId}</groupId>
            <artifactId>${project.artifactId}</artifactId>
            <version>${project.version}</version>
            <packaging>maven-plugin</packaging>
          </configuration>
        </plugin>

        <plugin>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.5.1</version>
          <configuration>
            <source>1.5</source>
            <target>1.5</target>
          </configuration>
        </plugin>
        <plugin>
          <groupId>org.apache.maven.plugins</groupId>
          <artifactId>maven-jar-plugin</artifactId>
          <version>3.0.2</version>
          <configuration>
            <excludes>
              <exclude>*</exclude>
              <exclude>com/thoughtworks/**/*</exclude>
              <exclude>freemarker/**/*</exclude>
              <exclude>ftl/**/*</exclude>
              <exclude>i18n/**/*</exclude>
              <exclude>style/**/*</exclude>
```

```xml
          <exclude>junit/**/*</exclude>
          <exclude>licenses/**/*</exclude>
          <exclude>META-INF/maven/**/*</exclude>
          <exclude>org/codehaus/**/*</exclude>
          <exclude>org/hamcrest/**/*</exclude>
          <exclude>org/jbehave/**/*</exclude>
          <exclude>org/junit/**/*</exclude>
          <exclude>org/testng/**/*</exclude>
          <exclude>org/xmlpull/**/*</exclude>
          <exclude>stories/**/*</exclude>
          <exclude>style/**/*</exclude>
          <exclude>tests/**/*</exclude>
         </excludes>
         <archive>
          <manifest>
           <addClasspath>false</addClasspath>
           <addDefaultImplementationEntries>true</addDefaultImplementationEntries>
           <addDefaultSpecificationEntries>true</addDefaultSpecificationEntries>
           <addExtensions>false</addExtensions>
           <classpathLayoutType>simple</classpathLayoutType>
          </manifest>
         </archive>
        </configuration>
       </plugin>
       <plugin>
        <artifactId>maven-assembly-plugin</artifactId>
        <version>2.6</version>
        <configuration>
         <descriptors>
          <descriptor>./sources.xml</descriptor>
         </descriptors>
        </configuration>
       </plugin>
       <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-dependency-plugin</artifactId>
        <version>2.10</version>
       </plugin>
       <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-javadoc-plugin</artifactId>
        <version>2.10.3</version>
        <configuration>
         <show>private</show>
         <nohelp>false</nohelp>
         <failOnError>false</failOnError>
         <sourcepath>src/main/java</sourcepath>
        </configuration>
```

```xml
      </plugin>
      <plugin>
       <groupId>org.apache.maven.plugins</groupId>
       <artifactId>maven-release-plugin</artifactId>
       <configuration>
        <tagNameFormat>v@{project.version}</tagNameFormat>
        <preparationGoals>package install:install-file</preparationGoals>
        <scmCommentPrefix>#3</scmCommentPrefix>
       </configuration>
      </plugin>
      <plugin>
       <groupId>org.apache.maven.plugins</groupId>
       <artifactId>maven-deploy-plugin</artifactId>
       <version>2.8.2</version>
       <configuration>
        <skip>true</skip>
       </configuration>
      </plugin>


      <plugin>
       <groupId>org.apache.maven.plugins</groupId>
       <artifactId>maven-source-plugin</artifactId>
       <version>3.0.1</version>
       <executions>
        <execution>
         <goals>
          <goal>jar-no-fork</goal>
         </goals>
        </execution>
       </executions>
      </plugin>


      <plugin>
       <groupId>org.apache.maven.plugins</groupId>
       <artifactId>maven-javadoc-plugin</artifactId>
       <executions>
        <execution>
         <id>attach-javadocs</id>
         <goals>
          <goal>jar</goal>
         </goals>
        </execution>
       </executions>
      </plugin>
```

```
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-gpg-plugin</artifactId>
 <executions>
  <execution>
   <id>sign-artifacts</id>
   <phase>deploy</phase>
   <goals>
    <goal>sign</goal>
   </goals>
  </execution>
 </executions>

</plugin>


<plugin>
 <groupId>org.sonatype.plugins</groupId>
 <artifactId>nexus-staging-maven-plugin</artifactId>
 <version>1.6.3</version>
 <executions>
  <execution>
   <id>default-deploy</id>
   <phase>deploy</phase>
   <goals>
    <goal>deploy</goal>
   </goals>
  </execution>
 </executions>
 <extensions>true</extensions>
 <configuration>
  <serverId>ossrh</serverId>
  <nexusUrl>https://oss.sonatype.org/</nexusUrl>
 </configuration>
</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-pmd-plugin</artifactId>
 <version>3.6</version>
 <configuration>
  <failOnViolation>true</failOnViolation>
  <excludeRoots>
   <excludeRoot>target/generated-sources/plugin</excludeRoot>
  </excludeRoots>
  <excludes>
   <exclude>**/HelpMojo.java</exclude>
  </excludes>
 </configuration>
```

```xml
    <executions>
     <execution>
      <goals>
       <goal>check</goal>
       <goal>cpd-check</goal>
      </goals>
      <configuration>
       <failOnViolation>true</failOnViolation>
       <excludes>
        <exclude>**/HelpMojo.java</exclude>
       </excludes>
      </configuration>
     </execution>
    </executions>
   </plugin>
   <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-checkstyle-plugin</artifactId>
    <version>2.10</version>
    <configuration>
     <excludes>**/test/java/**/*.java</excludes>
     <configLocation>./sun_checks.xml</configLocation>
     <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
     <failOnViolation>true</failOnViolation>
    </configuration>
    <executions>
     <execution>
      <goals>
       <goal>check</goal>
      </goals>
     </execution>
    </executions>
   </plugin>
   <plugin>
    <groupId>org.codehaus.mojo</groupId>
    <artifactId>cobertura-maven-plugin</artifactId>
    <version>2.6</version>
    <configuration>
     <check>
      <haltOnFailure>false</haltOnFailure>
      <totalBranchRate>80</totalBranchRate>
      <totalLineRate>80</totalLineRate>
      <packageLineRate>80</packageLineRate>
      <packageBranchRate>80</packageBranchRate>
     </check>
     <instrumentation>
      <excludes>
       <exclude>**/HelpMojo.class</exclude>
```

```xml
        </excludes>
       </instrumentation>
      </configuration>
      <executions>
       <execution>
        <id>verification</id>
        <phase>verify</phase>
        <goals>
         <goal>check</goal>
         <goal>cobertura</goal>
        </goals>
       </execution>
      </executions>
     </plugin>
     <plugin>
      <groupId>org.codehaus.mojo</groupId>
      <artifactId>javancss-maven-plugin</artifactId>
      <version>2.0</version>
      <configuration>
       <encoding>${project.build.sourceEncoding}</encoding>
       <ccnLimit>10</ccnLimit>
       <ncssLimit>100</ncssLimit>
       <failOnViolation>true</failOnViolation>
       <excludes>
        <exclude>**/tests/**/*.*</exclude>
       </excludes>
      </configuration>
      <executions>
       <execution>
        <goals>
         <goal>check</goal>
        </goals>
       </execution>
      </executions>
     </plugin>
     <plugin>
      <groupId>org.codehaus.mojo</groupId>
      <artifactId>findbugs-maven-plugin</artifactId>
      <version>3.0.3</version>
      <configuration>
       <encoding>${project.build.sourceEncoding}</encoding>
       <failOnError>true</failOnError>
       <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
      </configuration>
      <executions>
       <execution>
        <goals>
         <goal>check</goal>
```

```
        </goals>
       </execution>
      </executions>
     </plugin>
     <plugin>
      <groupId>org.codehaus.mojo</groupId>
      <artifactId>jdepend-maven-plugin</artifactId>
      <version>2.0</version>
     </plugin>
    </plugins>
   </build>
   <dependencies>
    <dependency>
     <groupId>dk.brics.automaton</groupId>
     <artifactId>automaton</artifactId>
     <version>1.11-8</version>
    </dependency>
    <dependency>
     <groupId>junit</groupId>
     <artifactId>junit</artifactId>
     <version>4.12</version>
     <scope>test</scope>
    </dependency>
    <dependency>
     <groupId>org.hamcrest</groupId>
     <artifactId>hamcrest-junit</artifactId>
     <version>2.0.0.0</version>
     <scope>test</scope>
    </dependency>
   </dependencies>
  </project>
```

Found in path(s):
* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/pom.xml
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*/

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* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterable.java

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/GenerexIterator.java

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterator.java

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Node.java

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Main.java

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Generex.java

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*/

Found in path(s):

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexUnitTest.java

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*/

Found in path(s):

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-
e910243/src/test/java/com/mifmif/common/regex/GenerexIteratorUnitTest.java

1.172 fabric8-::-kubernetes-model-::-events 4.13.3

1.172.1 Available under license :

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Manifest-Version: 1.0

Bnd-LastModified: 1619068588388

Build-Jdk-Spec: 1.8

Bundle-Description: Java client for Kubernetes and OpenShift

Bundle-DocURL: http://redhat.com

Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt

Bundle-ManifestVersion: 2

Bundle-Name: Fabric8 :: Kubernetes Model :: Events

Bundle-SymbolicName: io.fabric8.kubernetes-model-events

Bundle-Vendor: Red Hat

Bundle-Version: 4.13.3

Created-By: Apache Maven Bundle Plugin

Export-Package: io.fabric8.kubernetes.api.model.events;uses:="com.fast

erxml.jackson.annotation,com.fasterxml.jackson.databind,com.fasterxml

.jackson.databind.annotation,io.fabric8.kubernetes.api.builder,io.fab

ric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotation";ver

sion="4.13.3"

Implementation-Title: Fabric8 :: Kubernetes Model :: Events

Implementation-Vendor: Red Hat

Implementation-Version: 4.13.3

Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co

m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson

.databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui

lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku

bernetes.model.annotation;version="[4.13,5)"

Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Fabric8 :: Kubernetes Model :: Events
Specification-Vendor: Red Hat
Specification-Version: 4.13
Tool: Bnd-5.1.1.202006162103

Found in path(s):
* /opt/cola/permits/1288520163_1647861771.99/0/kubernetes-model-events-4-13-3-jar/META-
INF/MANIFEST.MF
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Found in path(s):
* /opt/cola/permits/1288520163_1647861771.99/0/kubernetes-model-events-4-13-3-jar/META-
INF/maven/io.fabric8/kubernetes-model-events/pom.xml
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1.174 jersey-bundle 1.19.4

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1.175 java-servlet-api 4.0.4

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1.176 fabric8-::-kubernetes-model-::-networking 4.13.3

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INF/maven/io.fabric8/kubernetes-model-networking/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1619068616615
Build-Jdk-Spec: 1.8
Bundle-Description: Java client for Kubernetes and OpenShift
Bundle-DocURL: http://redhat.com
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Fabric8 :: Kubernetes Model :: Networking
Bundle-SymbolicName: io.fabric8.kubernetes-model-networking
Bundle-Vendor: Red Hat
Bundle-Version: 4.13.3
Created-By: Apache Maven Bundle Plugin
Export-Package: io.fabric8.kubernetes.api.model.networking.v1;uses:="c
 om.fasterxml.jackson.annotation,com.fasterxml.jackson.databind,com.fa
 sterxml.jackson.databind.annotation,io.fabric8.kubernetes.api.builder
 ,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.model.annotati
 on";version="4.13.3",io.fabric8.kubernetes.api.model.networking.v1bet
 a1;uses:="com.fasterxml.jackson.annotation,com.fasterxml.jackson.data
 bind,com.fasterxml.jackson.databind.annotation,io.fabric8.kubernetes.
 api.builder,io.fabric8.kubernetes.api.model,io.fabric8.kubernetes.mod
 el.annotation";version="4.13.3"
Implementation-Title: Fabric8 :: Kubernetes Model :: Networking
Implementation-Vendor: Red Hat
Implementation-Version: 4.13.3
Import-Package: com.fasterxml.jackson.annotation;version="[2.11,3)",co
 m.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson
 .databind.annotation;version="[2.11,3)",io.fabric8.kubernetes.api.bui
 lder;version="[4.13,5)",io.fabric8.kubernetes.api.model,io.fabric8.ku
 bernetes.model.annotation;version="[4.13,5)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Specification-Title: Fabric8 :: Kubernetes Model :: Networking

Specification-Vendor: Red Hat

Specification-Version: 4.13

Tool: Bnd-5.1.1.202006162103

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INF/MANIFEST.MF

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1.177 dropwizard-jetty-support 2.0.22

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1.178 java-servlet-api 3.1.0

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1.184 org.hyperic:sigar 1.6.4.131

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