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1.3 barchart-udt-bundle 2.3.0

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====

```
#  
# ${projectBuildStamp}  
#
```

1.4 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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1.5 modelmapper-gson-extension 2.3.8

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*/
```

Found in path(s):

```
* /opt/cola/permits/1357790805_1657184196.3387504/0/modelmapper-gson-2-3-8-sources-  
jar/org/modelmapper/gson/JsonElementValueReader.java
```

1.6 spring-boot-webflux-starter

2.3.9.RELEASE

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1.7 checker-qual 3.5.0

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1.9 checkstyle 8.39

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 */
/**
 * Represents a policy for the location of content starting from
 * the next line after { @code /** }.
 * Example:
 * <pre>
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 * * More details.
 * * &#47;
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 * </pre>
 * This style is common to java projects.
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```

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jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocContentLocationOption.java

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* * More details.

* */

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* </pre>

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* /**

* * Summary text.

* * More details.

* */

* public void method();

* </pre>

*

*

* <p>

* This check does not validate the Javadoc summary itself nor its presence.

* The check will not report any violations for missing or malformed javadoc summary.

* To validate the Javadoc summary use

* SummaryJavadoc check.

* </p>

* <p>

* The

* Documentation Comment Specification permits leading asterisks on the first line.

* For these Javadoc comments:

* </p>

* <pre>

* /***

* * Some text.

* */

* /*****

* * Some text.

* */

* /** **

```

* * Some text.
* *#47;
* </pre>
* <p>
* The documentation generated will be just "Some text." without any asterisks.
* Since these asterisks will not appear in the generated documentation,
* they should not be considered as the beginning of the Javadoc content.
* In such cases, the check assumes that the Javadoc content begins on the second line.
* </p>
* <ul>
* <li>
* Property { @code location } - Specify the policy on placement of the Javadoc content.
* Type is { @code com.puppycrawl.tools.checkstyle.checks.javadoc.JavadocContentLocationOption }.
* Default value is { @code second_line }.
* </li>
* </ul>
* <p>
* To configure the default check to validate that the Javadoc content starts from the second line:
* </p>
* <pre>
* &lt;module name="JavadocContentLocationCheck"/&gt;
* </pre>
* <p>
* This setting produces a violation for each multi-line comment starting
* on the same line as the initial asterisks:
* </p>
* <pre>
* &#47;** This comment causes a violation because it starts from the first line
* * and spans several lines.
* *#47;
* &#47;**
* * This comment is OK because it starts from the second line.
* *#47;
* &#47;** This comment is OK because it is on the single line. *#47;
* </pre>
* <p>
* To ensure that Javadoc content starts from the first line:
* </p>
* <pre>
* &lt;module name="JavadocContentLocationCheck"&gt;
*   &lt;property name="location" value="first_line"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* This setting produces a violation for each comment not
* starting on the same line as the initial asterisks:
* </p>
* <pre>

```

```

* &#47;** This comment is OK because it starts on the first line.
* * There may be additional text.
* * &#47;
* &#47;**
* * This comment causes a violation because it starts on the second line.
* * &#47;
* &#47;** This single-line comment also is OK. * &#47;
* </pre>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.TreeWalker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code javadoc.content.first.line }
* </li>
* <li>
* { @code javadoc.content.second.line }
* </li>
* </ul>
*
* @since 8.27
*/

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocContentLocationCheck.java
No license file was found, but licenses were detected in source scan.

```

* More details.

* More details.

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/meta/checks/javadoc/JavadocContentLocationCheck.xml
No license file was found, but licenses were detected in source scan.

```

```

////////////////////////////////////
// checkstyle: Checks Java source code for adherence to a set of rules.
// Copyright (C) 2001-2020 the original author or authors.
//
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
//

```

```
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
//
// You should have received a copy of the GNU Lesser General Public
// License along with this library; if not, write to the Free Software
// Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
////////////////////////////////////
```

```
header {
package com.puppcrawl.tools.checkstyle.grammar;
```

```
import com.puppcrawl.tools.checkstyle.DetailAstImpl;
import java.text.MessageFormat;
import antlr.CommonHiddenStreamToken;
import antlr.TokenStreamSelector;
}
```

```
//-----
// The Java 14 Text Block scanner
//-----
class GeneratedTextBlockLexer extends Lexer;
```

```
options {
importVocab=GeneratedJava; // Use tokens from java.g
k=2;
charVocabulary='\u0000'..\uFFFE';
filter=true;
}
```

```
{
public TokenStreamSelector selector;

// explicitly set tab width to 1 (default in ANTLR 2.7.1)
// in ANTLR 2.7.2a2 the default has changed from 1 to 8
public void tab()
{
setColumn( getColumn() + 1 );
}
}
```

```
protected
NEWLINE
: ( options {generateAmbigWarnings=false;}
| '\r\n' // Evil DOS
| '\r' // Macintosh
| '\n' // Unix (the right way)
```

```

    )
    {this.newline();}
;

TEXT_BLOCK_LITERAL_END
: "\\\"\\\" {selector.pop();}
;

protected
TWO_DOUBLE_QUOTES
: """" ( NEWLINE | ~"" )
;

protected
ONE_DOUBLE_QUOTE
: "" ( NEWLINE | ~"" )
;

TEXT_BLOCK_CONTENT
: ( ( TWO_DOUBLE_QUOTES )=> TWO_DOUBLE_QUOTES
  | ONE_DOUBLE_QUOTE
  | NEWLINE
  | ~""
  | STD_ESC
  )+
;

protected
STD_ESC
: '\\
  ( 'n'
  | 'r'
  | 's'
  | 't'
  | 'b'
  | 'f'
  | ""
  | \"
  | \\
  )
;

```

Found in path(s):

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppcrawl/tools/checkstyle/grammar/java14textblocks.g

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

for more details.

Found in path(s):

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/filters/SuppressionXpathFilter.xml

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

```
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**
 * <p>
 * Filter { @code SuppressionXpathFilter } works as
 * <a href="https://checkstyle.org/config_filters.html#SuppressionFilter">SuppressionFilter</a>.
 * Additionally, filter processes { @code suppress-xpath } elements,
 * which contains xpath-expressions. Xpath-expressions are queries for
 * suppressed nodes inside the AST tree.
 * </p>
 * <p>
 * Currently, filter does not support the following checks:
 * </p>
 * <ul id="SuppressionXpathFilter_IncompatibleChecks">
 * <li>
 * NoCodeInFile (reason is that AST is not generated for a file not containing code)
 * </li>
 * <li>
 * Regexp (reason is at
 * <a href="https://github.com/checkstyle/checkstyle/issues/7759#issuecomment-605525287"> #7759</a>)
 * </li>
 * <li>
 * RegexpSinglelineJava (reason is at
 * <a href="https://github.com/checkstyle/checkstyle/issues/7759#issuecomment-605525287"> #7759</a>)
 * </li>
 * </ul>
 * <p>
 * Also, the filter does not support suppressions inside javadoc reported by Javadoc checks:
 * </p>
 * <ul id="SuppressionXpathFilter_JavadocChecks">
 * <li>
 * AtclauseOrder
 * </li>
 * <li>
 * JavadocBlockTagLocation
```

```

* </li>
* <li>
* JavadocMethod
* </li>
* <li>
* JavadocMissingLeadingAsterisk
* </li>
* <li>
* JavadocMissingWhitespaceAfterAsterisk
* </li>
* <li>
* JavadocParagraph
* </li>
* <li>
* JavadocStyle
* </li>
* <li>
* JavadocTagContinuationIndentation
* </li>
* <li>
* JavadocType
* </li>
* <li>
* MissingDeprecated
* </li>
* <li>
* NonEmptyAtclauseDescription
* </li>
* <li>
* RequireEmptyLineBeforeBlockTagGroup
* </li>
* <li>
* SingleLineJavadoc
* </li>
* <li>
* SummaryJavadoc
* </li>
* <li>
* WriteTag
* </li>
* </ul>
* <p>
* Note, that support for these Checks will be available after resolving issues
* <a href="https://github.com/checkstyle/checkstyle/issues/5770">#5770</a> and
* <a href="https://github.com/checkstyle/checkstyle/issues/5777">#5777</a>.
* </p>
* <p>
* Currently, filter supports the following xpath axes:

```

* </p>

- *
- *
- * ancestor
- *
- *
- * ancestor-or-self
- *
- *
- * attribute
- *
- *
- * child
- *
- *
- * descendant
- *
- *
- * descendant-or-self
- *
- *
- * following
- *
- *
- * following-sibling
- *
- *
- * parent
- *
- *
- * preceding
- *
- *
- * preceding-sibling
- *
- *
- * self
- *
- *
- * <p>
- * You can use the command line helper tool to generate xpath suppressions based on your
- * configuration file and input files. See here
- * for more details.
- * </p>
- * <p>
- * The suppression file location is checked in following order:
- * </p>
- *

- *
- * as a filesystem location
- *
- *
- * if no file found, and the location starts with either { @code http:// } or { @code https:// },
- * then it is interpreted as a URL
- *
- *
- * if no file found, then passed to the { @code ClassLoader.getResource() } method.
- *
- *
- * <p>
- * SuppressionXpathFilter can suppress Checks that have Treewalker as parent module.
- * </p>
- *
- *
- * Property { @code file } - Specify the location of the suppressions XML document file.
- * Type is { @code java.lang.String }.
- * Default value is { @code null }.
- *
- *
- * Property { @code optional } - Control what to do when the file is not existing.
- * If optional is set to false the file must exist, or else it ends with error.
- * On the other hand if optional is true and file is not found, the filter accepts all audit events.
- * Type is { @code boolean }.
- * Default value is { @code false }.
- *
- *
- * <p>
- * For example, the following configuration fragment directs the Checker to use a
- * { @code SuppressionXpathFilter } with suppressions file { @code config/suppressions.xml }:
- * </p>
- * <pre>
- * <module name="SuppressionXpathFilter">
- * <property name="file" value="config/suppressions.xml"/>
- * <property name="optional" value="false"/>
- * </module>
- * </pre>
- * <p>
- * A
- * suppressions XML document
- * contains a set of { @code suppress } and { @code suppress-xpath } elements,
- * where each { @code suppress-xpath } element can have the following attributes:
- * </p>
- *
- *
- * { @code files } - a Pattern
- * matched against the file name associated with an audit event. It is optional.

- *
- *
- * { @code checks } - a Pattern
- * matched against the name of the check associated with an audit event.
- * Optional as long as { @code id } or { @code message } is specified.
- *
- *
- * { @code message } - a Pattern
- * matched against the message of the check associated with an audit event.
- * Optional as long as { @code checks } or { @code id } is specified.
- *
- *
- * { @code id } - a String matched against
- * the ID of the check associated with an audit event.
- * Optional as long as { @code checks } or { @code message } is specified.
- *
- *
- * { @code query } - a String xpath query. It is
- optional.
- *
- *
- * <p>
- * Each audit event is checked against each { @code suppress } and { @code suppress-xpath } element.
- * It is suppressed if all specified attributes match against the audit event.
- * </p>
- * <p>
- * ATTENTION: filtering by message is dependant on runtime locale.
- * If project is running in different languages it is better to avoid filtering by message.
- * </p>
- * <p>
- * The following suppressions XML document directs a { @code SuppressionXPathFilter } to reject
- * { @code CyclomaticComplexity } violations for all methods with name <i>sayHelloWorld</i> inside
- * <i>FileOne</i> and <i>FileTwo</i> files:
- * </p>
- * <p>
- * Currently, xpath queries support one type of attribute { @code @text }. { @code @text } -
- * addresses to the text value of the node. For example: variable name, annotation name,
- * text content and etc. Only the following token types support { @code @text } attribute:
- * { @code TokenTypes.IDENT }, { @code TokenTypes.STRING_LITERAL }, { @code
- TokenTypes.CHAR_LITERAL },
- * { @code TokenTypes.NUM_LONG }, { @code TokenTypes.NUM_INT }, { @code
- TokenTypes.NUM_DOUBLE },
- * { @code TokenTypes.NUM_FLOAT }.
- * These token types were selected because only their text values are different
- * in content from token type and represent text value from file and can be used
- * in xpath queries for more accurate results. Other token types always have constant values.
- * </p>
- * <pre>

```

* &lt;?xml version="1.0"?&gt;
*
* &lt;!DOCTYPE suppressions PUBLIC
* "Checkstyle//DTD SuppressionXpathFilter Experimental Configuration 1.2//EN"
* "https://checkstyle.org/dtds/suppressions_1_2_xpath_experimental.dtd"&gt;
*
* &lt;suppressions&gt;
* &lt;suppress-xpath checks="CyclomaticComplexity"
* files="FileOne.java,FileTwo.java"
* query="//METHOD_DEF[./IDENT[@text='sayHelloWorld']]"/&gt;
* &lt;/suppressions&gt;
* </pre>
* <p>
* Suppress checks for package definitions:
* </p>
* <pre>
* &lt;suppress-xpath checks="*" query="/PACKAGE_DEF"/&gt;
* </pre>
* <p>
* Suppress checks for parent element of the first variable definition:
* </p>
* <pre>
* &lt;suppress-xpath checks="*" query="//VARIABLE_DEF[1]/.."/&gt;
* </pre>
* <p>
* Suppress checks for elements which are either class definitions, either method definitions.
* </p>
* <pre>
* &lt;suppress-xpath checks="*" query="//CLASS_DEF | //METHOD_DEF"/&gt;
* </pre>
* <p>
* Suppress checks for certain methods:
* </p>
* <pre>
* &lt;suppress-xpath checks="*" query="//METHOD_DEF[./IDENT[@text='getSomeVar'
* or @text='setSomeVar']]"/&gt;
* </pre>
* <p>
* Suppress checks for variable testVariable inside testMethod
* method inside TestClass class.
* </p>
* <pre>
* &lt;suppress-xpath checks="*" query="//CLASS_DEF[@text='TestClass']
* //METHOD_DEF[./IDENT[@text='testMethod']]
* //VARIABLE_DEF[./IDENT[@text='testVariable']]"/&gt;
* </pre>
* <p>
* In the following sample, violations for { @code LeftCurly } check will be suppressed

```

* for classes with name `<i>Main</i>` or for methods with name `<i>calculate</i>`.

```
* </pre>
* <pre>
* &lt;suppress-xpath checks=&quot;LeftCurly&quot; query=&quot;/CLASS_DEF[. /IDENT[@text='Main']]/*
*   | //METHOD_DEF[. /IDENT[@text='calculate']]/*&quot; /&gt;
* </pre>
* <p>
* The following example demonstrates how to suppress { @code RequireThis } violations
* for variable <i>age</i> inside <i>changeAge</i> method.
```

```
* </pre>
* <pre>
* &lt;suppress-xpath checks=&quot;RequireThis&quot;
*   query=&quot;/CLASS_DEF[. /IDENT[@text='InputTest']]
*     //METHOD_DEF[. /IDENT[@text='changeAge']] //ASSIGN/IDENT[@text='age']&quot; /&gt;
* </pre>
* <pre>
* public class InputTest {
*   private int age = 23;
*
*   public void changeAge() {
*     age = 24; //violation will be suppressed
*   }
* }
* </pre>
* <p>
* Suppress { @code IllegalThrows } violations only for methods with name <i>throwsMethod</i>
* and only for { @code RuntimeException } exceptions. Double colon is used for axis iterations.
* In the following example { @code ancestor } axis is used to iterate all ancestor nodes
* of the current node with type { @code METHOD_DEF } and name <i>throwsMethod</i>.
* Please read more about xpath axes at https://www.w3schools.com/xml/xpath\_axes.asp
* W3Schools Xpath Axes</a>.
```

```
* </pre>
* <pre>
* &lt;suppress-xpath checks="IllegalThrows" query="//LITERAL_THROWS
*   /IDENT[@text='RuntimeException' and
*     ./ancestor::METHOD_DEF[. /IDENT[@text='throwsMethod']]"/&gt;
* </pre>
* <pre>
* public class InputTest {
*   public void throwsMethod() throws RuntimeException { // violation will be suppressed
*   }
*
*   public void sampleMethod() throws RuntimeException { // will throw violation here
*   }
* }
* </pre>
* <p>
* The following sample demonstrates how to suppress all violations for method
```

* itself and all descendants. { @code descendant-or-self } axis iterates through
 * current node and all children nodes at any level. Keyword { @code node() }
 * selects node elements. Please read more about xpath syntax at
 * W3Schools Xpath Syntax.

* </p>

* <pre>

```
* &lt;suppress-xpath checks="*" query="//METHOD_DEF[./IDENT[@text='legacyMethod']]
* /descendant-or-self::node()"/&gt;
```

* </pre>

* <p>

* Some elements can be suppressed in different ways. For example, to suppress
 * violation on variable { @code wordCount } in following code:

* </p>

* <pre>

```
* public class InputTest {
*   private int wordCount = 11;
* }
```

* </pre>

* <p>

* You need to look at AST of such code by our CLI tool:

* </p>

* <pre>

```
* $ java -jar checkstyle-X.XX-all.jar -t InputTest.java
* CLASS_DEF -&gt; CLASS_DEF [1:0]
* |--MODIFIERS -&gt; MODIFIERS [1:0]
* | `--LITERAL_PUBLIC -&gt; public [1:0]
* |--LITERAL_CLASS -&gt; class [1:7]
* |--IDENT -&gt; InputTest [1:13]
* `--OBJBLOCK -&gt; OBJBLOCK [1:23]
* |--LCURLY -&gt; { [1:23]
* |--VARIABLE_DEF -&gt; VARIABLE_DEF [2:4]
* | |--MODIFIERS -&gt; MODIFIERS [2:4]
* | | `--LITERAL_PRIVATE -&gt; private [2:4]
* | |--TYPE -&gt; TYPE [2:12]
* | | `--LITERAL_INT -&gt; int [2:12]
* | |--IDENT -&gt; wordCount [2:16]
* | |--ASSIGN -&gt; = [2:26]
* | | `--EXPR -&gt; EXPR [2:28]
* | | | `--NUM_INT -&gt; 11 [2:28]
* | | `--SEMI -&gt; ; [2:30]
* `--RCURLY -&gt; } [3:0]
```

* </pre>

* <p>

* The easiest way is to suppress by variable name. As you can see { @code VARIABLE_DEF }
 * node refers to variable declaration statement and has child node with token type
 * { @code IDENT } which is used for storing class, method, variable names.

* </p>

* <p>

* The following example demonstrates how variable can be queried by its name:

```
* </p>
* <pre>
* &lt;suppress-xpath checks="." query="//VARIABLE_DEF[
*   /IDENT[@text='wordCount']"/&gt;
* </pre>
```

* Another way is to suppress by variable value. Again, if you look at the printed
* AST tree above, you will notice that one of the grandchildren of { @code VARIABLE_DEF }
* node is responsible for storing variable value - { @code NUM_INT } with value 11.

```
* </p>
* <p>
* The following example demonstrates how variable can be queried by its value,
* same approach applies to { @code String, char, float, double, int, long } data types:
* </p>
```

```
* <pre>
* &lt;suppress-xpath checks="." query="//VARIABLE_DEF[./NUM_INT[@text=11]]"/&gt;
* </pre>
* <p>
```

* Next example is about suppressing method with certain annotation by its name and element value.

```
* </p>
* <pre>
* public class InputTest {
*     &#64;Generated("first") // should not be suppressed
*     public void test1() {
*     }
*
*     &#64;Generated("second") // should be suppressed
*     public void test2() {
*     }
* }
* </pre>
```

* First of all we need to look at AST tree printed by our CLI tool:

```
* </p>
* <pre>
* $ java -jar checkstyle-X.XX-all.jar -t InputTest.java
* CLASS_DEF -&gt; CLASS_DEF [1:0]
* |--MODIFIERS -&gt; MODIFIERS [1:0]
* | `--LITERAL_PUBLIC -&gt; public [1:0]
* |--LITERAL_CLASS -&gt; class [1:7]
* |--IDENT -&gt; InputTest [1:13]
* `--OBJBLOCK -&gt; OBJBLOCK [1:23]
* |--LCURLY -&gt; { [1:23]
* |--METHOD_DEF -&gt; METHOD_DEF [2:4]
* | |--MODIFIERS -&gt; MODIFIERS [2:4]
* | | |--ANNOTATION -&gt; ANNOTATION [2:4]
* | | | |--AT -&gt; @ [2:4]
```

```

* | | | |--IDENT -&gt; Generated [2:5]
* | | | |--LPAREN -&gt; ( [2:14]
* | | | |--EXPR -&gt; EXPR [2:15]
* | | | | `--STRING_LITERAL -&gt; "first" [2:15]
* | | | `--RPAREN -&gt; ) [2:22]
* | | `--LITERAL_PUBLIC -&gt; public [3:4]
* | |--TYPE -&gt; TYPE [3:11]
* | | `--LITERAL_VOID -&gt; void [3:11]
* | |--IDENT -&gt; test1 [3:16]
* | |--LPAREN -&gt; ( [3:21]
* | |--PARAMETERS -&gt; PARAMETERS [3:22]
* | |--RPAREN -&gt; ) [3:22]
* | `--SLIST -&gt; { [3:24]
* |   `--RCURLY -&gt; } [4:4]
* |--METHOD_DEF -&gt; METHOD_DEF [6:4]
* | |--MODIFIERS -&gt; MODIFIERS [6:4]
* | | |--ANNOTATION -&gt; ANNOTATION [6:4]
* | | | |--AT -&gt; @ [6:4]
* | | | | |--IDENT -&gt; Generated [6:5]
* | | | | |--LPAREN -&gt; ( [6:14]
* | | | | |--EXPR -&gt; EXPR [6:15]
* | | | | | `--STRING_LITERAL -&gt; "second" [6:15]
* | | | | | `--RPAREN -&gt; ) [6:23]
* | | | | `--LITERAL_PUBLIC -&gt; public [7:4]
* | | | |--TYPE -&gt; TYPE [7:11]
* | | | | `--LITERAL_VOID -&gt; void [7:11]
* | | | |--IDENT -&gt; test2 [7:16]
* | | | |--LPAREN -&gt; ( [7:21]
* | | | |--PARAMETERS -&gt; PARAMETERS [7:22]
* | | | |--RPAREN -&gt; ) [7:22]
* | | | `--SLIST -&gt; { [7:24]
* | | |   `--RCURLY -&gt; } [8:4]
* | | `--RCURLY -&gt; } [9:0]
* </pre>
* <p>
* AST node { @code ANNOTATION -> ANNOTATION [6:4] } has direct child
* { @code IDENT -> Generated [6:5] }, therefore can be queried by { @code IDENT } value:
* </p>
* <pre>
* &lt;suppress-xpath checks="." query="//METHOD_DEF[
*   //ANNOTATION/IDENT[@text='Generated']"/&gt;
* </pre>
* <p>
* The problem with query above that it will suppress violations for all methods
* with annotation { @code @Generated }. In order to suppress methods with
* { @code @Generated("second") } annotations only, you need to look at AST tree again.
* Value of the { @code ANNOTATION } node is stored inside sub-node with token type
* { @code STRING_LITERAL }. Use the following query to suppress methods with

```

```

* { @code @Generated("second")} annotation:
* </p>
* <pre>
* &lt;suppress-xpath checks="." query="//METHOD_DEF[//ANNOTATION[
*     ./IDENT[@text='Generated'] and ./EXPR/STRING_LITERAL[@text='second']]"/&gt;
* </pre>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.TreeWalker}
* </p>
*
* @since 8.6
* @noinspection NonFinalFieldReferenceInEquals, NonFinalFieldReferencedInHashCode
*/

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/filters/SuppressionXPathFilter.java
No license file was found, but licenses were detected in source scan.

```

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
* This grammar is in the PUBLIC DOMAIN

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/grammar/java.g
No license file was found, but licenses were detected in source scan.

```

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**
* <p>
* Checks the header of a source file against a header that contains a
* <a href="https://docs.oracle.com/en/java/javase/11/docs/api/java.base/java/util/regex/Pattern.html">

```

* regular expression for each line of the source header.

* </p>

* <p>

* Rationale: In some projects

* checking against a fixed header is not sufficient, e.g. the header might

* require a copyright line where the year information is not static.

* </p>

* <p>

* For example, consider the following header:

* </p>

* <pre>

* line 1: ^{\71}\$

* line 2: ^// checkstyle:\$

* line 3: ^// Checks Java source code for adherence to a set of rules\.\$

* line 4: ^// Copyright \(C\) \d\d\d\d Oliver Burn\$

* line 5: ^// Last modification by \\$Author.*\\$\$

* line 6: ^{\71}\$

* line 7:

* line 8: ^package

* line 9:

* line 10: ^import

* line 11:

* line 12: ^**

* line 13: ^**([\^/])\$

* line 14: ^**#47;

* </pre>

* <p>

* Lines 1 and 6 demonstrate a more compact notation for 71 '/' characters.

* Line 4 enforces that the copyright notice includes a four digit year.

* Line 5 is an example how to enforce revision control keywords in a file header.

* Lines 12-14 is a template for javadoc (line 13 is so complicated to remove

* conflict with and of javadoc comment). Lines 7, 9 and 11 will be treated

* as '^\$' and will forcefully expect the line to be empty.

* </p>

* <p>

* Different programming languages have different comment syntax rules,

* but all of them start a comment with a non-word character.

* Hence you can often use the non-word character class to abstract away

* the concrete comment syntax and allow checking the header for different

* languages with a single header definition. For example, consider the following

* header specification (note that this is not the full Apache license header):

* </p>

* <pre>

* line 1: ^#!

* line 2: ^<?xml.*>\$

* line 3: ^\W*\$

* line 4: ^\W*Copyright 2006 The Apache Software Foundation or its licensors, as applicable\.\$

* line 5: ^\W*Licensed under the Apache License, Version 2\.\0 \((the "License")\);\$

```

* line 6: ^\W*$
* </pre>
* <p>
* Lines 1 and 2 leave room for technical header lines, e.g. the "#!/bin/sh"
* line in Unix shell scripts, or the XML file header of XML files.
* Set the multiline property to "1, 2" so these lines can be ignored for
* file types where they do not apply. Lines 3 through 6 define the actual header content.
* Note how lines 2, 4 and 5 use escapes for characters that have special regexp semantics.
* </p>
* <p>
* In default configuration, if header is not specified, the default value
* of header is set to null and the check does not rise any violations.
* </p>
* <ul>
* <li>
* Property { @code headerFile } - Specify the name of the file containing the required header.
* Type is { @code java.net.URI }.
* Default value is { @code null }.
* </li>
* <li>
* Property { @code charset } - Specify the character encoding to use when reading the headerFile.
* Type is { @code java.lang.String }.
* Default value is { @code the charset property of the parent
* <a href="https://checkstyle.org/config.html#Checker">Checker</a> module }.
* </li>
* <li>
* Property { @code header } - Define the required header specified inline.
* Individual header lines must be separated by the string { @code "\n" }
* (even on platforms with a different line separator).
* For header lines containing { @code "\n\n" } checkstyle will
* forcefully expect an empty line to exist. See examples below.
* Regular expressions must not span multiple lines.
* Type is { @code java.lang.String }.
* Default value is { @code null }.
* </li>
* <li>
* Property { @code multiLines } - Specify the line numbers to repeat (zero or more times).
* Type is { @code int[] }.
* Default value is { @code "" }.
* </li>
* <li>
* Property { @code fileExtensions } - Specify the file type extension of files to process.
* Type is { @code java.lang.String[] }.
* Default value is { @code "" }.
* </li>
* </ul>
* <p>
* To configure the check such that no violations arise.

```

* Default values of properties are used.

```
* </pre>
```

* <p>

```
* &lt;module name="RegexpHeader"/&gt;
```

* </pre>

* <p>

* To configure the check to use header file { @code "config/java.header" } and { @code 10 } and { @code 13 } multi-lines:

```
* </pre>
```

```
* &lt;module name="RegexpHeader"&gt;
```

```
* &lt;property name="headerFile" value="config/java.header"/&gt;
```

```
* &lt;property name="multiLines" value="10, 13"/&gt;
```

```
* &lt;/module&gt;
```

* </pre>

* <p>

* To configure the check to verify that each file starts with the header

```
* </pre>
```

```
* ^// Copyright \(\C\) (\d\d\d\d -)? 2004 MyCompany$
```

```
* ^// All rights reserved$
```

* </pre>

* <p>

* without the need for an external header file:

```
* </pre>
```

```
* &lt;module name="RegexpHeader"&gt;
```

```
* &lt;property
```

```
*   name="header"
```

```
*   value="^// Copyright \(\C\) (\d\d\d\d -)? 2004 MyCompany$
```

```
*     \n^// All rights reserved$"/&gt;
```

```
* &lt;/module&gt;
```

* </pre>

* <p>

* For regex containing { @code "\n\n" }

```
* </pre>
```

```
* &lt;module name="RegexpHeader"&gt;
```

```
* &lt;property
```

```
*   name="header"
```

```
*   value="^package .*\n\.*"/&gt;
```

```
* &lt;/module&gt;
```

* </pre>

* <p>

* { @code "\n\n" } will be treated as '^\$' and will forcefully expect the line to be empty. For example -

```
* </pre>
```

```

* package com.some.package;
* public class ThisWillFail { }
* </pre>
* <p>
* would fail for the regex above. Expected -
* </p>
* <pre>
* package com.some.package;
*
* public class ThisWillPass { }
* </pre>
* <p>
* <u>Note</u>: { @code ignoreLines } property has been removed from this check to simplify it.
* To make some line optional use "^.*$" regex for this line.
* </p>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.Checker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code header.mismatch }
* </li>
* <li>
* { @code header.missing }
* </li>
* </ul>
*
* @since 6.9
*/

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/header/RegexpHeaderCheck.java

```

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

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**

```

* <p>

* Checks that a specified pattern exists, exists less than

* a set number of times, or does not exist in the file.

* </p>

* <p>

* This check combines all the functionality provided by

* RegexpHeader

* except supplying the regular expression from a file.

* </p>

* <p>

* It differs from them in that it works in multiline mode. Its regular expression

* can span multiple lines and it checks this against the whole file at once.

* The others work in singleline mode. Their single or multiple regular expressions

* can only span one line. They check each of these against each line in the file in turn.

* </p>

* <p>

* Note: Because of the different mode of operation there may be some

* changes in the regular expressions used to achieve a particular end.

* </p>

* <p>

* In multiline mode...

* </p>

*

*

* { @code ^ } means the beginning of a line, as opposed to beginning of the input.

*

*

* For beginning of the input use { @code \A }.

*

*

* { @code \$ } means the end of a line, as opposed to the end of the input.

*

*

* For end of input use { @code \Z }.

*

*

* Each line in the file is terminated with a line feed character.

*

*

* <p>

* Note: Not all regular expression engines are created equal.

* Some provide extra functions that others do not and some elements

* of the syntax may vary. This check makes use of the

*

* java.util.regex package; please check its documentation for details

* of how to construct a regular expression to achieve a particular goal.

* </p>

* <p>

* **Note:** When entering a regular expression as a parameter in the XML config file you must also take into account the XML rules. e.g.

- * if you want to match a < symbol you need to enter &lt;.
- * The regular expression should be entered on one line.

</p>

-
-
- * Property { @code format } - Specify the pattern to match against.
- * Type is { @code java.util.regex.Pattern }.
- * Default value is { @code "^\$" }.
-
-
- * Property { @code message } - Specify message which is used to notify about violations, if empty then the default (hard-coded) message is used.
- * Type is { @code java.lang.String }.
- * Default value is { @code null }.
-
-
- * Property { @code illegalPattern } - Control whether the pattern is required or illegal.
- * Type is { @code boolean }.
- * Default value is { @code false }.
-
-
- * Property { @code duplicateLimit } - Control whether to check for duplicates of a required pattern, any negative value means no checking for duplicates, any positive value is used as the maximum number of allowed duplicates, if the limit is exceeded violations will be logged.
- * Type is { @code int }.
- * Default value is { @code 0 }.
-
-
- * Property { @code errorLimit } - Specify the maximum number of violations before the check will abort.
- * Type is { @code int }.
- * Default value is { @code 100 }.
-
-
- * Property { @code ignoreComments } - Control whether to ignore matches found within comments.
- * Type is { @code boolean }.
- * Default value is { @code false }.
-

<p>

To configure the check:

</p>

<p>

The following examples are mainly copied from the other 3 checks mentioned above, to show how the same results can be achieved using this check in place of them.

* </p>

* <p>

* To use like Required Regexp check:

* </p>

* <p>

* An example of how to configure the check to make sure a copyright statement

* is included in the file:

* </p>

* <p>

* The statement.

* </p>

* <pre>

* // This code is copyrighted

* </pre>

* <p>

* The check.

* </p>

* <pre>

* <module name="Regexp">

* <property name="format" value="// This code is copyrighted"/>

* </module>

* </pre>

* <p>

* Your statement may be multiline.

* </p>

* <pre>

* // This code is copyrighted

* // (c) MyCompany

* </pre>

* <p>

* Then the check would be.

* </p>

* <pre>

* <module name="Regexp">

* <property name="format" value="// This code is copyrighted\n// (c) MyCompany"/>

* </module>

* </pre>

* <p>

* Note: To search for parentheses () in a regular expression you must

* escape them like \(). This is required by the regexp engine, otherwise it will

* think they are special instruction characters.

* </p>

* <p>

* And to make sure it appears only once:

* </p>

* <pre>

* <module name="Regexp">

* <property name="format" value="// This code is copyrighted\n// (c) MyCompany"/>

```

* &lt;property name="duplicateLimit" value="0"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* It can also be useful to attach a meaningful message to the check:
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="// This code is copyrighted\n// \ (c) MyCompany"/&gt;
* &lt;property name="message" value="Copyright"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>To use like illegal regexp check:</b>
* </p>
* <p>
* An example of how to configure the check to make sure there are no calls to
* { @code System.out.println } :
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;!-- . matches any character, so we need to escape it and use \. to match dots. --&gt;
* &lt;property name="format" value="System\\.out\\.println"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* You may want to make the above check ignore comments, like this:
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="System\\.out\\.println"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;property name="ignoreComments" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* An example of how to configure the check to find trailing whitespace at the end of a line:
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="[ \\t]+$"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;property name="message" value="Trailing whitespace"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* An example of how to configure the check to find case-insensitive occurrences of "debug":

```

```

* </p>
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property name="format" value="(?)debug"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>Note:</b> The (?) at the beginning of the regular expression tells the
* regexp engine to ignore the case.
* </p>
* <p>
* There is also a feature to limit the number of violations reported.
* When the limit is reached the check aborts with a message reporting that
* the limit has been reached. The default limit setting is 100,
* but this can be change as shown in the following example.
* </p>
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property name="format" value="(?)debug"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;property name="errorLimit" value="1000"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>To use like <a href="https://checkstyle.org/config_header.html#RegexpHeader">
* RegexpHeader</a>:</b>
* </p>
* <p>
* To configure the check to verify that each file starts with the following multiline header.
* </p>
* <p>
* Note the following:
* </p>
* <ul>
* <li>
* \A means the start of the file.
* </li>
* <li>
* The date can be any 4 digit number.
* </li>
* </ul>
* </pre>
* // Copyright (C) 2004 MyCompany
* // All rights reserved
* </pre>
* <pre>
* &lt;module name="Regexp"&gt;

```

```

* <code><pre>
*   name="format"
*   value="\A// Copyright \ (C) \d\d\d\d MyCompany\n// All rights reserved"/&gt;
* </code></pre>
* <code><p>
* A more complex example. Note how the import and javadoc multilines are handled,
* there can be any number of them.
* </code></pre>
* <code><pre>
* //////////////////////////////////////
* // checkstyle:
* // Checks Java source code for adherence to a set of rules.
* // Copyright (C) 2004 Oliver Burn
* // Last modification by $Author A.N.Other$
* //////////////////////////////////////
*
* package com.puppcrawl.checkstyle;
*
* import java.util.thing1;
* import java.util.thing2;
* import java.util.thing3;
*
* &#47;*&#47;
* * javadoc line 1
* * javadoc line 2
* * javadoc line 3
* * &#47;*&#47;
* </code></pre>
* <code><pre>
* <code><pre>
*   name="format"
*   value="\A/{71}\n// checkstyle:\n// Checks Java source code for
* adherence to a set of rules.\n// Copyright \ (C) \d\d\d\d Oliver Burn\n
* // Last modification by \$Author.*\$/n/{71}\n\npackage [\w.]*;\n\n
* (import [\w.]*;\n)*\n/\n(\ \^[^]*\n)* \&#47;"/&gt;
* </code></pre>
* <code><p>
* <b>More examples:</b>
* </code></pre>
* <code><p>
* The next 2 examples deal with the following example Java source file:
* </code></pre>
* &#47;*&#47;
* * PID.java

```

```
* *
* * Copyright (c) 2001 ACME
* * 123 Some St.
* * Somewhere.
* *
* * This software is the confidential and proprietary information of ACME.
* * ("Confidential Information"). You shall not disclose such
* * Confidential Information and shall use it only in accordance with
* * the terms of the license agreement you entered into with ACME.
* *
* * $Log: config_misc.xml,v $
* * Revision 1.7 2007/01/16 12:16:35 oburn
* * Removing all reference to mailing lists
* *
* * Revision 1.6 2005/12/25 16:13:10 o_sukhodolsky
* * Fix for rfe 1248106 (TYPECAST is now accepted by NoWhitespaceAfter)
* *
* * Fix for rfe 953266 (thanks to Paul Guyot (pguyot) for submitting patch)
* * IllegalType can be configured to accept some abstract classes which
* * matches to regexp of illegal type names (property legalAbstractClassNames)
* *
* * TrailingComment now can be configured to accept some trailing comments
* * (such as NOI18N) (property legalComment, rfe 1385344).
* *
* * Revision 1.5 2005/11/06 11:54:12 oburn
* * Incorporate excellent patch [ 1344344 ] Consolidation of regexp checks.
* *
* * Revision 1.3.8.1 2005/10/11 14:26:32 someone
* * Fix for bug 251. The broken bit is fixed
* *&#47;
*
* package com.acme.tools;
*
* import com.acme.thing1;
* import com.acme.thing2;
* import com.acme.thing3;
*
* &#47;**
* *
* * &lt;P&gt;
* * &lt;I&gt;This software is the confidential and proprietary information of
* * ACME (&lt;B&gt;"Confidential Information"&lt;/B&gt;). You shall not
* * disclose such Confidential Information and shall use it only in
* * accordance with the terms of the license agreement you entered into
* * with ACME.&lt;/I&gt;
* * &lt;/P&gt;
* *
* * &amp;#169; copyright 2002 ACME
```

```

* *
* * &#64;author Some Body
* * &#47;
* public class PID extends StateMachine implements WebObject.Constants {
*
* &#47;/** javadoc. * &#47;
* public static final int A_SETPOINT = 1;
* .
* .
* .
* } // class PID
* </pre>
* <p>
* This checks for the presence of the header, the first 16 lines.
* </p>
* <p>
* Note the following:
* </p>
* <ul>
* <li>
* Line 2 and 13 contain the file name. These are checked to make sure they
* are the same, and that they match the class name.
* </li>
* <li>
* The date can be any 4 digit number.
* </li>
* </ul>
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property
* name="format"
* value="\A\*\n *(w*)\.java\n *\n * Copyright \(\c\)
* \d\d\d\d ACME\n * 123 Some St.\n * Somewhere.\n *\n
* * This software is the confidential and proprietary information
* of ACME.\n * \(\&quot;Confidential Information&quot;\). You
* shall not disclose such\n * Confidential Information and shall
* use it only in accordance with\n * the terms of the license
* agreement you entered into with ACME.\n *\n
* * \ $Log: config_misc.xml,v $
* * Revision 1\7 2007/01/16 12:16:35 oburn
* * Removing all reference to mailing lists
* * \
* * Revision 1.6 2005/12/25 16:13:10 o_sukhodolsky
* * Fix for rfe 1248106 \(\TYPECAST is now accepted by NoWhitespaceAfter\)
* * \
* * Fix for rfe 953266 \(\thanks to Paul Guyot \(\pguyot\) for submitting patch\)
* * IllegalType can be configured to accept some abstract classes which
* * matches to regexp of illegal type names \(\property legalAbstractClassNames\)

```

```

* |*
* |* TrailingComment now can be configured to accept some trailing comments
* |* \ (such as NOI18N) \ (property legalComment, rfe 1385344).
* |*
* |* Revision 1.5 2005/11/06 11:54:12 oburn
* |* Incorporate excellent patch [ 1344344 ] Consolidation of regexp checks.
* |* \n(.*)*(\w\s)*( class | interface )\1"/&gt;
* &lt;property name="message" value="Correct header not found"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* This checks for the presence of a copyright notice within the class javadoc, lines 24 to 37.
* </p>
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property
* name="format"
* value="(\^*\n)(\^*\n)*(\^* &lt;P&gt;\n\^* &lt;I&gt;
* This software is the confidential and proprietary information of\n
* \^* ACME \(&lt;B&gt;&amp;quot;Confidential Information&amp;quot;&lt;/B&gt;
* \). You shall not\n\^* disclose such Confidential Information
* and shall use it only in\n\^* accordance with the terms of the
* license agreement you entered into\n\^* with ACME\.&lt;/I&gt;\n
* \^* &lt;P&gt;\n\^* \^* &amp;#169; copyright \d\d\d\d ACME\n
* \^*\n\^* &#64;author .*)(\n\s\^*.*)*&#47;\n[\w\s]*( class | interface )"/&gt;
* &lt;property name="message"
* value="Copyright in class/interface Javadoc"/&gt;
* &lt;property name="duplicateLimit" value="0"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>Note:</b> To search for things that mean something in XML, like &lt;
* you need to escape them like &amp;lt;. This is required so the XML parser
* does not act on them, but instead passes the correct character to the regexp engine.
* </p>
* <p>
* Parent is { @code com.puppycrawl.tools.checkstyle.TreeWalker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code duplicate.regexp }
* </li>
* <li>
* { @code illegal.regexp }
* </li>

```

```
* <li>
* { @code required.regexp }
* </li>
* </ul>
*
* @since 4.0
*/
```

Found in path(s):

```
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/regexp/RegexpCheck.java
No license file was found, but licenses were detected in source scan.
```

header specification (note that this is not the full Apache license header):

```
line 5: ^\W*Licensed under the Apache License, Version 2\.\0 \((the "License"\);$
```

Found in path(s):

```
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/meta/checks/header/RegexpHeaderCheck.xml
No license file was found, but licenses were detected in source scan.
```

```
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
```

Found in path(s):

```
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/EmptyLineSeparatorCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocMissingWhitespaceAfterAsteriskCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/metrics/ClassDataAbstractionCouplingCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/EmptyForIteratorPadCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/UnusedImportsCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/modifier/RedundantModifierCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/GenericWhitespaceCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/gui/TreeTableCellRenderer.java
```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/PropertiesExpander.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/XmlMetaWriter.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/ThreadModeSettings.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/NewHandler.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/regexp/DetectorOptions.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/design/MutableExceptionCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/CaseHandler.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/regexp/RegexpSinglelineCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/imports/package-info.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/SuperFinalizeCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/gui/BaseCellEditor.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/EqualsHashCodeCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocMethodCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/AbstractClassNameCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/package-info.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/JavaParser.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/imports/ImportControlCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/XmlLoader.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/package-info.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/NoWhitespaceBeforeCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/gui/MainFrame.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/ExplicitInitializationCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/Utils/XpathUtil.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/DefaultComesLastCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/AbstractNameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/RootModule.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/DefaultConfiguration.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/TagParser.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocMissingLeadingAsteriskCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/gui/TreeTable.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/FinalParametersCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/LambdaParameterNameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/imports/ImportOrderCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/OuterTypeFilenameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/MemberDefHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/ExecutableStatementCountCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/SwitchRuleHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/Utils/InlineTagUtil.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/ToDoCommentCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/ParameterNameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/LineLengthCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/RightCurlyCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/AvoidDoubleBraceInitializationCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/VariableDeclarationUsageDistanceCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/Utils/CheckUtil.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/MultipleStringLiteralsCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/SuppressionsStringPrinter.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/CommentsIndentationCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocTagContinuationIndentationCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/UpperEllCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/LineSeparatorOption.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/design/OneTopLevelClassCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/AuditEvent.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/metrics/CyclomaticComplexityCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/utils/AnnotationUtil.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/ParenPadCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/JavadocMetadataScraper.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/utils/BlockCommentPosition.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/StatelessCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/Configuration.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/MethodCountCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/ant/CheckstyleAntTask.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/NewlineAtEndOfFileCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/imports/ImportOrderOption.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/NoEnumTrailingCommaCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/BeforeExecutionFileFilter.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/NoCodeInFileCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/annotation/PackageAnnotationCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/MissingJavadocMethodCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/IllegalThrowsCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/filters/IntFilterElement.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/NestedIfDepthCheck.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/metrics/BooleanExpressionComplexityCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/IllegalTokenTextCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/PrimordialHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/filters/SuppressWarningsFilter.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/header/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/StringLiteralEqualityCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/AvoidNoArgumentSuperConstructorCallCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/Utils/FilterUtil.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/regexp/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/filters/SeverityMatchFilter.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/PackageNamesLoader.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/ParameterNumberCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/NonEmptyAtclauseDescriptionCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/WhitespaceAfterCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/LabelHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/StaticInitHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/AvoidInlineConditionalsCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/design/InterfaceIsTypeCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/TrailingCommentCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/SummaryJavadocCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/OperatorWrapCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/EmptyCatchBlockCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/package-info.java

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/NeedBracesCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/InvalidJavadocPositionCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/MetadataGeneratorUtil.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/xpath/AttributeNode.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/OneStatementPerLineCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/FileSetCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/modifier/ModifierOrderCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/ClassTypeParameterNameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/BlockOption.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/ModuleDetails.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/PropertyResolver.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/SuperCloneCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/TreeWalker.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/XpathFileGeneratorAuditListener.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/gui/ParseTreeTableModel.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/AutomaticBean.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/NestedForDepthCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/xpath/RootNode.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/meta/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/api/ExternalResourceHolder.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/LocalFinalVariableNameCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocBlockTagLocationCheck.java
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/AbstractSuperCheck.java
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 jar/com/puppcrawl/tools/checkstyle/checks/metrics/AbstractClassCouplingCheck.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocParagraphCheck.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/utils/TokenUtil.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/design/HideUtilityClassConstructorCheck.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/utils/ModuleReflectionUtil.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/indentation/SynchronizedHandler.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/coding/ArrayTrailingCommaCheck.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/DefaultLogger.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/indentation/PackageDefHandler.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/checks/design/ThrowsCountCheck.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/api/SeverityLevelCounter.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/filters/SuppressWithNearbyCommentFilter.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
 jar/com/puppcrawl/tools/checkstyle/filters/CsvFilterElement.java
 * /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-

jar/com/puppcrawl/tools/checkstyle/api/FullIdent.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/AbstractExpressionHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/FinalLocalVariableCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/modifier/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/DeclarationOrderCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/AbstractImportControl.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/RightCurlyOption.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/ClassDefHandler.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/design/InnerTypeLastCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/NoWhitespaceAfterCheck.java
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-

jar/com/puppcrawl/tools/checkstyle/JavadocDetailNodeParser.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/package-info.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-

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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/xpath/XpathQueryGenerator.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/AvoidStaticImportCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
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* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/UnnecessarySemicolonInEnumerationCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/EmptyBlockCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/UnnecessaryParenthesesCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-

```

jar/com/puppcrawl/tools/checkstyle/DetailAstImpl.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/annotation/AnnotationUseStyleCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/UniquePropertiesCheck.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/IndentLevel.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/naming/AccessModifierOption.java
* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/annotation/MissingDeprecatedCheck.java
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/**

```

```

* <p>
* Checks that a source file begins with a specified header.
* Property { @code headerFile } specifies a file that contains the required header.
* Alternatively, the header specification can be set directly in the
* { @code header } property without the need for an external file.
* </p>
* <p>
* Property { @code ignoreLines } specifies the line numbers to ignore when matching
* lines in a header file. This property is very useful for supporting headers
* that contain copyright dates. For example, consider the following header:
* </p>
* <pre>
* line 1: //////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
* line 2: // checkstyle:
* line 3: // Checks Java source code for adherence to a set of rules.
* line 4: // Copyright (C) 2002 Oliver Burn
* line 5: //////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
* </pre>
* <p>
* Since the year information will change over time, you can tell Checkstyle
* to ignore line 4 by setting property { @code ignoreLines } to { @code 4 }.
* </p>
* <p>
* In default configuration, if header is not specified, the default value
* of header is set to { @code null } and the check does not rise any violations.

```

```

* </p>
* <ul>
* <li>
* Property { @code headerFile } - Specify the name of the file containing the required header.
* Type is { @code java.net.URI }.
* Default value is { @code null }.
* </li>
* <li>
* Property { @code charset } - Specify the character encoding to use when reading the headerFile.
* Type is { @code java.lang.String }.
* Default value is { @code the charset property of the parent
* <a href="https://checkstyle.org/config.html#Checker">Checker</a> module }.
* </li>
* <li>
* Property { @code header } - Specify the required header specified inline.
* Individual header lines must be separated by the string { @code "\n" }
* (even on platforms with a different line separator), see examples below.
* Type is { @code java.lang.String }.
* Default value is { @code null }.
* </li>
* <li>
* Property { @code ignoreLines } - Specify the line numbers to ignore.
* Type is { @code int[] }.
* Default value is { @code "" }.
* </li>
* <li>
* Property { @code fileExtensions } - Specify the file type extension of files to process.
* Type is { @code java.lang.String[] }.
* Default value is { @code "" }.
* </li>
* </ul>
* <p>
* To configure the check such that no violations arise.
* Default values of properties are used.
* </p>
* <pre>
* &lt;module name="Header"/&gt;
* </pre>
* <p>
* To configure the check to use header file { @code "config/java.header" }
* and ignore lines { @code 2 }, { @code 3 }, and { @code 4 } and only process Java files:
* </p>
* <pre>
* &lt;module name="Header"&gt;
*   &lt;property name="headerFile" value="config/java.header"/&gt;
*   &lt;property name="ignoreLines" value="2, 3, 4"/&gt;
*   &lt;property name="fileExtensions" value="java"/&gt;
* &lt;/module&gt;

```

```

* </pre>
* <p>
* To configure the check to verify that each file starts with the header
* </p>
* <pre>
* // Copyright (C) 2004 MyCompany
* // All rights reserved
* </pre>
* <p>
* without the need for an external header file:
* </p>
* <pre>
* &lt;module name="Header"&gt;
*   &lt;property name="header"
*     value="// Copyright (C) 2004 MyCompany\n// All rights reserved"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.Checker}
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code header.mismatch}
* </li>
* <li>
* { @code header.missing}
* </li>
* </ul>
*
* @since 6.9
*/

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/checks/header/HeaderCheck.java

```

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```

/** Java 1.5 Recognizer

```

```

*
* This grammar is in the PUBLIC DOMAIN
*/

```

Found in path(s):

```

* /opt/cola/permits/1340076606_1654622366.535764/0/checkstyle-8-39-sources-
jar/com/puppcrawl/tools/checkstyle/grammar/GeneratedJavaRecognizer.java

```

1.10 reactor-extra-utilities 3.3.3.RELEASE

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* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/extra/processor/RingBuffer.java

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* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/TupleUtils.java

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* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/bool/BooleanUtils.java

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- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoAverageFloat.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function3.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoFromFluxOperator.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/scheduler/clock/SchedulerClock.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoMinMax.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/scheduler/forkjoin/ForkJoinPoolScheduler.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate8.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate5.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoSumDouble.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate6.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoSumInt.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MathSubscriber.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoSumLong.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer8.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/swing/SwingScheduler.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/swing/SwtScheduler.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer3.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/cache/CacheFlux.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/cache/CacheMono.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer6.java
- * /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate3.java

* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate4.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function8.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function7.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoAverageDouble.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer5.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function4.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Predicate7.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function5.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/math/MonoSumFloat.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Function6.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer4.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/function/Consumer7.java

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* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/extra/processor/WaitStrategy.java

* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-

jar/reactor/math/MonoAverageBigDecimal.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/extra/processor/EventLoopProcessor.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/extra/processor/TopicProcessor.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/math/MonoSumBigInteger.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/math/MonoSumBigDecimal.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/math/MonoAverageBigInteger.java

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jar/reactor/retry/Repeat.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/RetryContext.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/RetryExhaustedException.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/Backoff.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/Jitter.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/BackoffDelay.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/DefaultRetry.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/math/MathFlux.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-
jar/reactor/retry/IterationContext.java

* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/retry/RepeatContext.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/retry/DefaultRepeat.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/retry/Retry.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/retry/DefaultContext.java
* /opt/cola/permits/1357791141_1657107284.369467/0/reactor-extra-3-3-3-release-sources-jar/reactor/retry/AbstractRetry.java

1.11 spring-boot-cache-starter

2.3.9.RELEASE

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Spring Boot 2.3.9.RELEASE

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1.12 testcontainers-jdbc 1.15.0

1.12.1 Available under license :

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- */

Found in path(s):

*/opt/cola/permits/1357791180_1657102561.5607271/0/jdbc-1-15-0-sources-jar/org/testcontainers/jdbc/ext/ScriptUtils.java

1.13 latencyutils 2.0.3

1.13.1 Available under license :

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1.14 org.apache.commons.fileupload 1.4

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1.15 testcontainers-jdbc-postgresql 1.15.0

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1.16 netty-codec-smtp 4.1.75.Final

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```
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-jar/META-INF/maven/io.netty/netty-codec-smtp/pom.xml
```

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```
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jar/io/netty/handler/codec/smtp/LastSmtpContent.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpRequest.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpUtils.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpContent.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/package-info.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpResponse.java
* /opt/cola/permits/1343907311_1655169446.80832/0/netty-codec-smtp-4-1-75-final-sources-3-
jar/io/netty/handler/codec/smtp/SmtpCommand.java
```

1.17 jetty-::-alpn-::-conscrypt-client-implementation 9.4.36.v20210114

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons

org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec

org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

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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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```
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/WithId.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/RelationalEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/WithEntity.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/AfterSaveEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/AfterDeleteEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/BeforeConvertEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
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jar/org/springframework/data/relational/core/conversion/RelationalEntityDeleteWriter.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/RelationalPersistentEntity.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/WithAggregateChange.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/RelationalDeleteEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/BasicRelationalPersistentProperty.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/Identifier.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/NamingStrategy.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/conversion/RelationalEntityUpdateWriter.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/RelationalPersistentEntityImpl.java
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jar/org/springframework/data/relational/core/conversion/DefaultAggregateChange.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/AfterLoadEvent.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/conversion/RelationalEntityInsertWriter.java
* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/RelationalMappingContext.java
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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-
jar/org/springframework/data/relational/core/mapping/event/RelationalEventWithEntity.java
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 - * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/repository/query/RelationalParameterAccessor.java
 - * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/Table.java
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- * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/repository/query/CriteriaFactory.java
- * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/dialect/Db2Dialect.java
- * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/NestedCondition.java
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- * /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/LockOptions.java
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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/dialect/H2Dialect.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/JoinVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/LikeVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Segment.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/DefaultDeleteBuilder.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/NamingStrategies.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Aliased.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/IsNullVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/IntoClauseVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/AssignValue.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Assignments.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/FilteredSubtreeVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/NestedConditionVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/InsertStatementVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/event/AfterLoadCallback.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/SelectRenderContext.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/SqlRenderer.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/DefaultDelete.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/query/Criteria.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/MappedCollection.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/From.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/MultipleCondition.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/ColumnVisitor.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/IsNull.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Values.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/ComparisonVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/AndCondition.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/DeleteValidator.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/SimpleRenderContext.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/conversion/WritingContext.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/RenderContext.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/dialect/LimitClause.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/SelectStatementVisitor.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/DeleteBuilder.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/CachingNamingStrategy.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/SelectBuilder.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/conversion/DbActionExecutionResult.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/NumericLiteral.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/AbstractImportValidator.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Condition.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/BetweenVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/OrderByClauseVisitor.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/In.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/SimpleSegment.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/event/BeforeConvertCallback.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Table.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/conversion/PathNode.java

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* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/dialect/ArrayColumns.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/DefaultSelectBuilder.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/Insert.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/jdbc/core/convert/Identifier.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/RenderNamingStrategy.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/PersistentPropertyPathExtension.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/SelectValidator.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/query/Update.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/TypedSubtreeVisitor.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/render/TypedSingleConditionRenderSupport.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/mapping/event/BeforeSaveCallback.java

* /opt/cola/permits/1357791308_1657089009.084973/0/spring-data-relational-2-0-7-release-sources-1-jar/org/springframework/data/relational/core/sql/SubselectExpression.java

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1.19 org.xmlunit:xmlunit-placeholders 2.7.0

1.19.1 Available under license :

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Manifest-Version: 1.0
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-SymbolicName: org.xmlunit.xmlunit-placeholders
Built-By: stefan
X-Git-Hash: 66e7d48d492902876f0ef531a9107ff199965c58 (Branch master)
Bnd-LastModified: 1589297343451
Specification-Title: org.xmlunit.xmlunit-placeholders
Implementation-Vendor-Id: org.xmlunit
Bundle-DocURL: <https://www.xmlunit.org/xmlunit-placeholders/>
Include-Resource: META-INF/services/org.xmlunit.placeholder.PlaceholderHandler=src/main/resources/META-INF/services/org.xmlunit.placeholder.PlaceholderHandler
Import-Package: javax.xml.namespace,org.w3c.dom,org.xmlunit,org.xmlunit.builder,org.xmlunit.diff,org.xmlunit.util
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Export-Package: org.xmlunit.placeholder;version="2.7.0"
Bundle-Name: org.xmlunit.xmlunit-placeholders
Implementation-Title: org.xmlunit.xmlunit-placeholders
Bundle-Description: Parent POM for all artifacts of XMLUnit
Automatic-Module-Name: org.xmlunit.placeholder
Implementation-Version: 2.7.0
Specification-Vendor: XMLUnit
Bundle-ManifestVersion: 2
Bundle-Vendor: XMLUnit
Tool: Bnd-3.2.0.201605172007
Implementation-Vendor: XMLUnit
Bundle-Version: 2.7.0
X-Compile-Target-JDK: 1.6
build-time: 2020-05-12T15:27:33Z
X-Compile-Source-JDK: 1.6
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Specification-Version: 2.7
Implementation-URL: <https://www.xmlunit.org/xmlunit-placeholders/>

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* /opt/cola/permits/1288695080_1656591717.7835956/0/xmlunit-placeholders-2-7-0-jar/META-INF/MANIFEST.MF

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* /opt/cola/permits/1288695080_1656591717.7835956/0/xmlunit-placeholders-2-7-0-jar/META-INF/maven/org.xmlunit/xmlunit-placeholders/pom.xml

1.20 hazelcast v3.12.12

1.20.1 Available under license :

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It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.21 micrometer-core 1.5.11

1.21.1 Available under license :

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jar/io/micrometer/core/util/internal/logging/MessageFormatter.java

```

```

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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Found in path(s):

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/JdkLoggerFactory.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/InternalLogLevel.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/AbstractInternalLogger.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/InternalLoggerFactory.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/Slf4JLogger.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/util/internal/logging/Slf4JLoggerFactory.java

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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/jetty/JettyStatisticsMetrics.java
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```
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/httpcomponents/HttpContextUtils.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/jetty/JettyClientTagsProvider.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/jvm/JvmHeapPressureMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/config/validate/DurationValidator.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/jetty/JettyClientTags.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/step/StepTuple2.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/db/JooqExecuteListener.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/config/validate/PropertyValidator.java
```

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/cache/HazelcastIMapAdapter.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/jetty/JettySslHandshakeMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/http/package-info.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/jetty/JettyClientMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/db/MetricsDSLContext.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/config/validate/Validated.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/config/MeterRegistryConfigValidator.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/kafka/KafkaMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/config/validate/ValidationException.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/config/validate/InvalidReason.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/MicrometerHttpClientInterceptor.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/jpa/HibernateQueryMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/http/Outcome.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/internal/CumulativeHistogramLongTaskTimer.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/http/HttpRequestTags.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/step/StepValue.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/distribution/FixedBoundaryVictoriaMetricsHistogram.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/http/DefaultHttpServletRequestTagsProvider.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/DefaultUriMapper.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/http/HttpServletRequestTagsProvider.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/distribution/TimeWindowSum.java
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/kafka/KafkaClientMetrics.java

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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/PoolingHttpClientConnectionManagerMetricsBinder.java
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jar/io/micrometer/core/util/internal/logging/JdkLogger.java
*/opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/dropwizard/DropwizardClock.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmCompilationMetrics.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/step/StepDouble.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/DistributionSummary.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/cache/package-info.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/distribution/CountAtBucket.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/cache/CacheMeterBinder.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/step/package-info.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/FunctionCounter.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/lang/NonNullFields.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/lang/NonNull.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/distribution/pause/package-info.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/Tag.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/package-info.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/lang/NonNullApi.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/binder/hystrix/MicrometerMetricsPublisher.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-jar/io/micrometer/core/instrument/LongTaskTimer.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-

jar/io/micrometer/core/instrument/config/NamingConvention.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/composite/AbstractCompositeMeter.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/ImmutableTag.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/distribution/TimeWindowFixedBoundaryHistogram.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/cumulative/CumulativeTimer.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/MockClock.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/search/MeterNotFoundException.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-

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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/config/MeterFilter.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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jar/io/micrometer/core/instrument/MeterRegistry.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/step/StepMeterRegistry.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/distribution/HistogramSupport.java
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/composite/CompositeFunctionCounter.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-

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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/config/InvalidConfigurationException.java
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* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
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jar/io/micrometer/core/instrument/internal/TimedScheduledExecutorService.java
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jar/io/micrometer/core/util/internal/logging/package-info.java

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jar/io/micrometer/core/instrument/util/NamedThreadFactory.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/util/JsonUtils.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/ipc/http/URLConnectionSender.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/ipc/http/HttpStatusClass.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/ipc/http/HttpSender.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/ipc/http/OkHttpSender.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/ipc/http/ReactorNettySender.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/binder/kafka/KafkaConsumerMetrics.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/push/PushMeterRegistry.java

* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/MultiGauge.java

```
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/logging/LoggingRegistryConfig.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/push/PushRegistryConfig.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java
* /opt/cola/permits/1162863647_1620924457.73/0/micrometer-core-1-5-11-sources-
jar/io/micrometer/core/instrument/StrongReferenceGaugeFunction.java
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jar/io/micrometer/core/instrument/binder/kafka/KafkaStreamsMetrics.java
```

1.22 automation 1.11-8

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```
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```

```
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```

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- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/BasicAutomata.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/TransitionComparator.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/DatatypesAutomatonProvider.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/Automaton.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/Datatypes.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/SpecialOperations.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/BasicOperations.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/StatePair.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/MinimizationOperations.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/State.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/ShuffleOperations.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RunAutomaton.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RegExp.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/AutomatonProvider.java
- * /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/Transition.java

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jar/dk/brics/automaton/AutomatonMatcher.java

1.23 testcontainers-core 1.15.0

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1.24 reactive-object-pool 0.1.8.RELEASE

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```
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/SimpleDequePool.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/PoolMetricsRecorder.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/DefaultPoolConfig.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/AbstractPool.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/AllocationStrategies.java
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jar/reactor/pool/InstrumentedPool.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/PoolConfig.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-
jar/reactor/pool/PoolShutdownException.java
```

* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/NoOpPoolMetricsRecorder.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/PooledRefMetadata.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/AllocationStrategy.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/Pool.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/package-info.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/PoolBuilder.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/PooledRef.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/introspection/SamplingAllocationStrategy.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/PoolAcquirePendingLimitException.java
* /opt/cola/permits/1357790936_1657108734.368052/0/reactor-pool-0-1-8-release-sources-jar/reactor/pool/PoolAcquireTimeoutException.java

1.25 byte-buddy-agent 1.10.20

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1.26 spring-boot-starter-data-r2dbc

2.3.9.RELEASE

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1.28 spring-boot-test 2.3.9.RELEASE

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1.30 ignite-kubernetes 2.12.0

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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/condition/ConditionAndOrN.java

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* Nicolas Fortin, Atelier SIG, IRSTV FR CNRS 24888
* Support for the operator "&&" as an alias for SPATIAL_INTERSECTS
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* According to a mail from Alan Tucker to Chris H Miller from IBM,
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*
* Date: 2010-07-15 15:57
* Subject: Re: Applied Combinatorics Code
*

* Chris,
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* or copyright. They are as much in the public domain as the solution to any
* common question in an undergraduate mathematics course, e.g., in my
* combinatorics course, the solution to the problem of how many arrangements
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* diligence.
* -Alan
*/

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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/ToDateTokenizer.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ValueInterval.java

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/Comment.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/condition/Condition.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/DataReader.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/bnf/BnfVisitor.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/CreateTableData.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/Operation1.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/tx/VersionedValueUncommitted.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/disk/FilePathDisk.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/MergedResult.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/CacheObject.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/NamedExpression.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/bnf/context/DbProcedure.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/Operation1_2.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ExtTypeInfoEnum.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/AlterSchemaRename.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/rtree/Spatial.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/PageParser.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/MVStoreTool.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/db/MVTempResult.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/aggregate/AggregateData.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/DbDriverActivator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ValueBigDecimalBase.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/ConnectionInfo.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/json/JSONBoolean.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/analysis/WindowFrameBound.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/index/RangeIndex.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/api/H2Type.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/SmallMap.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/DropSynonym.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/tx/TxDecisionMaker.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaRemote.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/table/RangeTable.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/TcpServerThread.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/Cursor.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/CacheLRU.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/index/VirtualConstructedTableIndex.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/compress/LZFOutputStream.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/WebServlet.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/SequenceOptions.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/schema/Constant.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/SourceCompiler.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/CurrentDateTimeValueFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcSQLException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/FileStoreInputStream.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/fulltext/IndexInfo.java

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/DbStarter.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/tools/Restore.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/IsolationLevel.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/bnf/context/DbContextRule.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/ResultWithPaddedStrings.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/type/ObjectDataType.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbcx/JdbcXAConnection.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/LazyResult.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcSQLExceptionInvalidAuthorizationSpecException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/tools/CompressTool.java
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* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/table/TableLink.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/table/Column.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/Profiler.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/DeallocateProcedure.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/JakartaWebServlet.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/StringFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/FileUtils.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/SessionRemote.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/NullIfFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/bnf/context/DbTableOrView.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/condition/BooleanTest.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/CompareMode.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/CreateTrigger.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/RowFactory.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/json/JsonConstructorUtils.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/AlterTableRename.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/pg/PgServer.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/WebServer.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/Utils10.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/ResultColumn.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/Delete.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/CreateRole.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/OnDuplicateKeyValues.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/NoOperation.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/db/MVSecondaryIndex.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/ResultInterface.java

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/SearchRow.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/CastDataProvider.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/api/Aggregate.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/CursorPos.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/OsgiDataSourceFactory.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/lob/LobDataDatabase.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/db/MVSpatialIndex.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/result/Sparse.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbcx/JdbcConnectionPoolBackwardsCompat.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcSQLException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/DefaultNullOrdering.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/cache/FilePathCache.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/nioMapped/FilePathNioMapped.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/tools/Console.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ExtTypeInfoGeometry.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/fulltext/FullTextSettings.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ValueSmallint.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/AlterTableRenameConstraint.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/analysis/WindowFrame.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/index/LinkedCursor.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/RootReference.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/encrypt/FileEncrypt.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/GrantRevoke.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/Value.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcSQLExceptionTimeoutException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/Bits.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/DropDatabase.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/SchemaOwnerCommand.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcResultSet.java

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcSQLException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/aggregate/AggregateDataCount.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/ExpressionList.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/ModeFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/tools/DeleteDbFiles.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/index/SingleRowCursor.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/FakeFileChannel.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/FunctionsMSSQLServer.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/AlterDomainAddConstraint.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/engine/Constants.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/dml/SetSessionCharacteristics.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/CoalesceFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/TcpServer.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/expression/function/table/TableFunction.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mode/FunctionsOracle.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/bnf/RuleExtension.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/table/Plan.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/ValueBoolean.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/OffHeapStore.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/server/web/JakartaDbStarter.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/table/InformationSchemaTable.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/command/ddl/DefineCommand.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/fs/encrypt/XTS.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/jdbc/JdbcCallableStatement.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/DataType.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/mvstore/db/LobStorageMap.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/FileLock.java

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*/

Found in path(s):

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/H2AuthConfig.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/impl/StaticUserCredentialsValidator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/api/UserToRolesMapper.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/H2AuthConfigXml.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/ConfigProperties.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/AuthenticationException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/RealmConfig.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/HasConfigProperties.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/DefaultAuthenticator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/UserToRolesMapperConfig.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/Configurable.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/PropertyConfig.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/impl/JaasCredentialsValidator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/impl/AssignRealmNameRole.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/impl/StaticRolesMapper.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/impl/LdapCredentialsValidator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/api/CredentialsValidator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/AuthenticatorFactory.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/AuthConfigException.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/Authenticator.java
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/security/auth/AuthenticationInfo.java

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```
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 * Initial Developer: H2 Group
 */
/**
 * Converts a value to a LocalDate.
 *
 * This method should only be called from Java 8 or later version.
 *
 * @param value
 *       the value to convert
 * @param provider
 *       the cast information provider
 * @return the LocalDate
 */
```

Found in path(s):

```
* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/JSR310Utils.java
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```

```
/*
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 *
 * This code is based on the LZF algorithm from Marc Lehmann. It is a
 * re-implementation of the C code:
 * http://cvs.schmorp.de/liblzf/lzf\_c.c?view=markup
 * http://cvs.schmorp.de/liblzf/lzf\_d.c?view=markup
 *
 * According to a mail from Marc Lehmann, it's OK to use his algorithm:
 * Date: 2010-07-15 15:57
 * Subject: Re: Question about LZF licensing
 * ...
 * The algorithm is not copyrighted (and cannot be copyrighted afaik) - as long
 * as you wrote everything yourself, without copying my code, that's just fine
 * (looking is of course fine too).
 * ...
 *
 * Still I would like to keep his copyright info:
 *
 * Copyright (c) 2000-2005 Marc Alexander Lehmann <schmorp@schmorp.de>
 * Copyright (c) 2005 Oren J. Maurice <oymaurice@hazorea.org.il>
 *
 * Redistribution and use in source and binary forms, with or without
 * modification, are permitted provided that the following conditions are met:
```

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*/

Found in path(s):

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-
jar/org/h2/compress/CompressLZF.java

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* Initial Developer: H2 Group
* Iso8601:
* Initial Developer: Robert Rathsack (firstName dot lastName at gmx dot de)
*/

Found in path(s):

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/util/CloseWatcher.java

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* Initial Developer: H2 Group
*
* The variable size number format code is a port from SQLite,
* but stored in reverse order (least significant bits in the first byte).
*/

Found in path(s):

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/store/Data.java

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* Initial Developer: Lazarev Nikita <lazarevn@ispras.ru>

*/

Found in path(s):

* /opt/cola/permits/1357791041_1657088960.1243196/0/h2-2-1-212-sources-1-jar/org/h2/value/JsonValue.java

1.32 project-lombok 1.18.10

1.32.1 Available under license :

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*

* Thanks to Stephen Haberman for a patch to solve some NPEs in Eclipse.

*/

Found in path(s):

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-

jar/lombok/eclipse/agent/PatchValEclipse.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/eclipse/RhdsLocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/eclipse/JbdsLocationProvider.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/singulars/JavacGuavaTableSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/experimental/Helper.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/debug/AssertionLogger.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/singulars/EclipseJavaUtilSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/singulars/JavacJavaUtilListSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/singulars/EclipseGuavaSetListSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/EclipseLoaderPatcherTransplants.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/PatchFixesShadowLoaded.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/handlers/Singulars.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleUtilityClass.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/singulars/EclipseGuavaTableSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/EclipseLoaderPatcher.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/RunCoreTests.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/singulars/JavacJavaUtilSetSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/CallSuperType.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/singulars/EclipseGuavaMapSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/Processor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/singulars/JavacGuavaMapSingularizer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/GuavaTypeMap.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleUtilityClass.java

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*/opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/PatchValEclipsePortal.java
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- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/Javac6BaseFileObjectWrapper.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/Javac7BaseFileObjectWrapper.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/LombokFileObject.java

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- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/RunAllTests.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/SetGeneratedByVisitor.java

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jar/lombok/javac/FindTypeVarScanner.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/bytecode/PostCompilerApp.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/PostCompilerTransformation.java

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jar/lombok/eclipse/handlers/HandleHelper.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleHelper.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Generated.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/HandlerPriority.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/experimental/NonFinal.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/JavacResolver.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/ExtensionMethodCompletionProposal.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/PatchDelegatePortal.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/experimental/PackagePrivate.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/ResolutionResetNeeded.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/bytecode/PoolConstantsApp.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/PublicApiCreatorApp.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/PatchExtensionMethodCompletionProposal.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/PatchExtensionMethodCompletionProposalPortal.java
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jar/lombok/javac/apt/Javac9BaseFileObjectWrapper.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/bytecode/ClassFileMetaData.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/handlers/HandleVal.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/var.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
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jar/lombok/experimental/SuperBuilder.java
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jar/lombok/core/configuration/AllowHelper.java

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jar/lombok/javac/handlers/singularguava/JavacGuavaSetListSingularizer.java

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- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/HandlerLibrary.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/AbstractRunTests.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/AnnotationProcessor.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/HandlerLibrary.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/Main.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/handlers/InclusionExclusionUtils.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/delombok/DocCommentIntegrator.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleData.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/delombok/ant/DelombokTask.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/EqualsAndHashCode.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/LombokNode.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/delombok/Delombok.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/EclipseAST.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/delombok/ant/DelombokTaskImpl.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/AnnotationValues.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/delombok/DelombokResult.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/InterceptingJavaFileManager.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/LombokFileObjects.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/PatchVal.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/launch/PatchFixesHider.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleLog.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleConstructor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleLog.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleConstructor.java

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jar/lombok/delombok/UnicodeEscapeWriter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/WindowsDriveInfo.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/AppleNativeLook.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/AccessLevel.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/package-
info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/package-
info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/package-
info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/LombokApp.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/runtimeDependencies/RuntimeDependencyInfo.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/delombok/DelombokApp.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/CorruptedIdeLocationException.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacTreeMaker.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Builder.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/ConfigurationKey.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/handlers/HandlerUtil.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/launch/Main.java

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jar/lombok/bytecode/PreventNullAnalysisRemover.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/bytecode/AsmUtil.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/PatchDelegate.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/handlers/HandleDelegate.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/RunTestsViaEcj.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/bytecode/SneakyThrowsRemover.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/ConfigurationDataType.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleNonNull.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleNonNull.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/TypeName.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleBuilder.java
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jar/lombok/installer/eclipse/StandardProductDescriptor.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/eclipse/EclipseProductDescriptor.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/eclipse/MyEclipseLocationProvider.java

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jar/lombok/core/PostCompiler.java

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jar/lombok/javac/LombokOptions.java

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jar/lombok/experimental/Wither.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/agent/PatchDiagnostics.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/With.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/handlers/HandleWith.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
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jar/lombok/javac/Javac9BasedLombokOptions.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/PackageName.java

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jar/lombok/core/TestSingulars.java

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jar/lombok/javac/handlers/HandleBuilderDefault.java

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```
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/apt/MessengerDiagnosticsReceiver.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/handlers/SneakyThrowsAndCleanupDependencyInfo.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/InstallException.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/DiagnosticsReceiver.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/UninstallException.java
```

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/ConfigurationKeysLoader.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/StringConfigurationSource.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/experimental/Tolerate.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/EclipseAugments.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/Augments.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/ConfigurationSource.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/debug/ProblemReporter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/FieldAugment.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/handlers/HandleAccessors.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/FlagUsageType.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/ExampleValueString.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/JavacAugments.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/launch/Agent.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/handlers/HandleDelegate.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/handlers/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/ConfigurationProblemReporter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/BubblingConfigurationResolver.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/javac/handlers/singulars/JavacJavaUtilSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/singulars/EclipseJavaUtilSetSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/javac/handlers/singulars/JavacJavaUtilListSetSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/singulars/EclipseGuavaSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/singulars/EclipseJavaUtilListSetSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/singulars/EclipseJavaUtilMapSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/javac/handlers/singulars/JavacJavaUtilMapSingularizer.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/EclipseSingularsRecipes.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/javac/handlers/JavacSingularsRecipes.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/experimental/UtilityClass.java
 * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
 jar/lombok/eclipse/handlers/singulars/EclipseJavaUtilListSingularizer.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/SneakyThrows.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Cleanup.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/eclipse/EclipseProductLocation.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Data.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/installer/InstallerGUI.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Getter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Synchronized.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/experimental/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Lombok.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Setter.java

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jar/lombok/launch/AnnotationProcessor.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/launch/ShadowClassLoader.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/configuration/ConfigurationResolverFactory.java

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jar/lombok/core/configuration/ConfigurationApp.java

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jar/lombok/experimental/FieldNameConstants.java

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- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/log4j/Log4j2.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/Javac8BasedLombokOptions.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/java9/CommentCollectingParserFactory.java

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- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/java8/CommentCollectingScannerFactory.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/java6/CommentCollectingScanner.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/java6/CommentCollectingScannerFactory.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/CompilerMessageSuppressor.java
- * /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/java7/CommentCollectingScanner.java

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jar/lombok/javac/java6/CommentCollectingParser.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/java7/CommentCollectingParser.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/java6/CommentCollectingParserFactory.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/java7/CommentCollectingParserFactory.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/java8/CommentCollectingParser.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/java8/CommentCollectingParserFactory.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandlePrintAST.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandlePrintAST.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/handlers/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/bytecode/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleSynchronized.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleCleanup.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleData.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleSneakyThrows.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/RunTestsViaDelombok.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleSneakyThrows.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleCleanup.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/runtimeDependencies/package-info.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/AgentLauncher.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/package-info.java

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Found in path(s):

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/eclipse/STS4LocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/Javac9JavaFileObjectWrapper.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/flogger/Flogger.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/AlreadyHandledAnnotations.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/eclipse/AngularIDELocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/FieldSelect.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleBuilderDefaultRemove.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/ClassLiteral.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/eclipse/EclipseAnnotationHandler.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/JavacAnnotationHandler.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/PrintAST.java
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jar/lombok/experimental/Delegate.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/AllArgsConstructor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/log4j/Log4j.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/NoArgsConstructor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/java/Log.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/val.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/apachecommons/CommonsLog.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/extern/slf4j/Slf4j.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/Delegate.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/RequiredArgsConstructor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/experimental/var.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleSuperBuilder.java

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* <https://github.com/nqzero/permit-reflect>

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/EclipseHandlerUtil.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-

jar/lombok/javac/JavacASTVisitor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacNode.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/EclipseNode.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/EclipseASTAdapter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/Version.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleToString.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacTransformer.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleGetter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/Javac.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/AST.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/apt/LombokProcessor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/NonNull.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleSetter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleSetter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/TypeResolver.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/JavacHandlerUtil.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/EclipseASTVisitor.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacASTAdapter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/DirectoryRunner.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleEqualsAndHashCode.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/EclipsePatcher.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleToString.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/TypeLibrary.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleEqualsAndHashCode.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacAST.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleGetter.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/Eclipse.java
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jar/lombok/core/SpiLoadUtil.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/CommentInfo.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/core/runtimeDependencies/CreateLombokRuntimeApp.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/transform/TestLombokFilesIdempotent.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/transform/TestSourceFiles.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/transform/TestWithDelombok.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/eclipse/EclipseProductLocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/eclipse/STSLocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/IdeLocationProvider.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/Installer.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/installer/OsUtils.java

```
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/installer/IdeLocation.java
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jar/lombok/eclipse/EclipseImportList.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/core/debug/FileLog.java
```

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/javac/Javac6BasedLombokOptions.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/core/JavaIdentifiers.java
```

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/javac/java8/CommentCollectingTokenizer.java
```

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/javac/java8/CommentCollectingScanner.java
```

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/delombok/FormatPreferenceScanner.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/delombok/LombokOptionsFactory.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/core/LombokImmutableList.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-  
jar/lombok/core/configuration/ConfigurationValueParser.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
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jar/lombok/core/configuration/ConfigurationResolver.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/ImportList.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleFieldNameConstants.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/LombokTestSource.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleFieldNameConstants.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/bytecode/FixedClassWriter.java

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jar/lombok/extern/slf4j/XSlf4j.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/experimental/Accessors.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/experimental/FieldDefaults.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/experimental/ExtensionMethod.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/debug/DebugSnapshot.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/debug/DebugSnapshotStore.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/debug/package-info.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleValue.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleExtensionMethod.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/handlers/HandleAccessors.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/agent/PatchExtensionMethod.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/eclipse/handlers/HandleExtensionMethod.java

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jar/lombok/CompilerMessageMatcher.java

* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-
jar/lombok/javac/CapturingDiagnosticListener.java

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jar/lombok/javac/handlers/singulars/JavacGuavaSingularizer.java
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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/javac/JavacImportList.java

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jar/lombok/javac/handlers/HandleFieldDefaults.java

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* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/handlers/LoggingFramework.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/ConfigurationValueType.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/CleanupTask.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/LogDeclaration.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/IdentifierName.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/CleanupRegistry.java
* /opt/cola/permits/1357791101_1657089023.5618227/0/lombok-1-18-10-sources-jar/lombok/core/configuration/CheckerFrameworkVersion.java
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jar/lombok/transform/RunTransformTests.java

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jar/org/springframework/web/reactive/result/condition/RequestCondition.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/config/ResourceHandlerRegistry.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/MatrixVariableMethodArgumentResolver.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/ResponseBodyResultHandler.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/server/support/HandshakeWebSocketService.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/view/script/RenderingContext.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/server/RequestUpgradeStrategy.java
*/opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-

jar/org/springframework/web/reactive/function/BodyExtractor.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/resource/DefaultResourceTransformerChain.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/CookieValueMethodArgumentResolver.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/handler/AbstractUrlHandlerMapping.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/resource/AbstractPrefixVersionStrategy.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/function/client/DefaultClientRequestBuilder.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/function/BodyInserter.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/view/ViewResolverSupport.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/RequestHeaderMapMethodArgumentResolver.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/view/BindStatus.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/client/StandardWebSocketClient.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/MatrixVariableMapMethodArgumentResolver.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/resource/ResourceTransformerChain.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/adaptor/UndertowWebSocketHandlerAdapter.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/BindingContext.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/ExpressionValueMethodArgumentResolver.java
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jar/org/springframework/web/reactive/function/server/RouterFunction.java
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jar/org/springframework/web/reactive/function/server/RenderingResponse.java
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jar/org/springframework/web/reactive/result/view/HttpMessageWriterView.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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jar/org/springframework/web/reactive/config/WebFluxConfigurer.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-

jar/org/springframework/web/reactive/socket/adapters/NettyWebSocketSessionSupport.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/function/client/UnknownHttpStatusCodeException.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/view/freemarker/FreeMarkerConfigurer.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/resource/HttpResource.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/InitBinderBindingContext.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/function/server/HandlerFilterFunction.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/ErrorsMethodArgumentResolver.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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jar/org/springframework/web/reactive/result/method/annotation/RequestParamMapMethodArgumentResolver.java
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/client/JettyWebSocketClient.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/socket/adapter/AbstractWebSocketSession.java
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/resource/WebJarsResourceResolver.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/resource/PathResourceResolver.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/server/DefaultEntityResponseBuilder.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/view/UrlBasedViewResolver.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/client/ExchangeStrategies.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/view/script/ScriptTemplateConfigurer.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/view/View.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/client/ExchangeFunctions.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/server/ServerResponseExtensions.kt

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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/resource/CachingResourceTransformer.java

* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/view/ViewResolutionResultHandler.java

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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/server/support/ServerRequestWrapper.java

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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/condition/AbstractRequestCondition.java

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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
jar/org/springframework/web/reactive/function/server/CoRouterFunctionDsl.kt
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*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 5.0
*/
```

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```
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/HandlerMapping.java
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/resource/AbstractResourceResolver.java
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/HandlerResultHandler.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/config/ResourceHandlerRegistration.java
* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/method/HandlerMethodArgumentResolver.java

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- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/condition/ParamsRequestCondition.java
- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/socket/server/upgrade/TomcatRequestUpgradeStrategy.java
- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/method/annotation/RequestMappingHandlerMapping.java
- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/method/annotation/PathVariableMethodArgumentResolver.java
- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/result/condition/AbstractMediaTypeExpression.java
- * /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/function/server/DefaultServerRequestBuilder.java
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* /opt/cola/permits/1357791020_1657088967.7989638/0/spring-webflux-5-2-13-release-sources-1-jar/org/springframework/web/reactive/config/WebFluxConfigurerComposite.java
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1.34 findbugs-jsr305 3.0.2

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1.37 lucene-analyzers 7.4.0

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1.39 netty-project 4.1.75.Final

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Manifest-Version: 1.0

Implementation-Title: Netty/All-in-One

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name:

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.all

Implementation-Version: 4.1.75.Final
Built-By: norman
Bnd-LastModified: 1646911619441
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;
version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="
[1,2)";resolution:=optional
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/All-in-One
Bundle-Version: 4.1.75.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-all/

Found in path(s):

* /opt/cola/permits/1337070330_1654856012.3468416/0/netty-all-4-1-75-final-jar/META-INF/MANIFEST.MF

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* /opt/cola/permits/1337070330_1654856012.3468416/0/netty-all-4-1-75-final-jar/META-
INF/maven/io.netty/netty-all/pom.xml

1.40 conscrypt-openjdk-uber 2.2.1

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```
*/opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/Platform.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/NativeLibraryLoader.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLMessageDigestJDK.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLSignature.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECPointContext.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLRandom.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/CertPinManager.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLRSAPrivateCrtKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLSignatureRawRSA.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLCipherRSA.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLRSAKeyPairGenerator.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLX509CertificateFactory.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECPublicKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLCipher.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLRSAPublicKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECKeypairGenerator.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/ChainStrengthAnalyzer.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECPublicKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
```

jar/org/conscrypt/OpenSSLRSAKeyFactory.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLX509Certificate.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLECGroupContext.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLRSAPrivateKey.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLMac.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLBIOInputStream.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptServerSocket.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLSocketFactoryImpl.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLServerSocketFactoryImpl.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLSocketImpl.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTVerificationResult.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTPolicy.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CertificateEntry.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/Serialization.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTLogStore.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTVerifier.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/DigitallySigned.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/SignedCertificateTimestamp.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/SerializationException.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTLogInfo.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ct/CTConstants.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/EmptyArray.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLProvider.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/io/IOUtils.java

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- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/PeerInfoProvider.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/AbstractConscryptSocket.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ECPParameters.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ExternalSession.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ApplicationProtocolSelector.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/DESEDESekretKeyFactory.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptSession.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ApplicationProtocolSelectorAdapter.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/KeyGeneratorImpl.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLCipherChaCha20.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/Preconditions.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/NativeSsl.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/IvParameters.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/Java8EngineWrapper.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ActiveSession.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ExperimentalApi.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/OpenSSLSignatureRawECDSA.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/BufferAllocator.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/SessionSnapshot.java
- * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptFileDescriptorSocket.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/AbstractConscryptEngine.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ArrayUtils.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/DuckTypedPSKKeyManager.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/CryptoUpcalls.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/AddressUtils.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/NativeRef.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/NativeCryptoJni.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/SSLUtils.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptHostnameVerifier.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/Internal.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-

jar/org/conscrypt/HandshakeListener.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java8PlatformUtil.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java8EngineSocket.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java8ExtendedSSLSession.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java9PlatformUtil.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java8FileDescriptorSocket.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OAEPParameters.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/Java7ExtendedSSLSession.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/CertBlacklist.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptCertStore.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ConscryptEngine.java

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/**

* Provides the Java side of our JNI glue for OpenSSL.

* <p>

* Note: Many methods in this class take a reference to a Java object that holds a

* native pointer in the form of a long in addition to the long itself and don't use

* the Java object in the native implementation. This is to prevent the Java object

* from becoming eligible for GC while the native method is executing. See

* this

* for more details.

*/

Found in path(s):

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/NativeCrypto.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/EvpMdRef.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/ConscryptEngineSocket.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLBIOSource.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLBIOSink.java
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*/opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/X509PublicKey.java
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/TrustManagerFactoryImpl.java

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jar/org/conscrypt/OpenSSLAeadCipherAES.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OidData.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLEvpCipherARC4.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLAeadCipherChaCha20.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLEvpCipherAES.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLEvpCipherDESEDE.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLAeadCipher.java
 * /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ServerSessionContext.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/TrustedCertificateIndex.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/ClientSessionContext.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/SSLClientSessionCache.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/AbstractSessionContext.java

* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-jar/org/conscrypt/SSLServerSessionCache.java

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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/KeyManagerImpl.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/DefaultSSLContextImpl.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/SSLNullSession.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
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* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLX509CRLEntry.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLX509CRL.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECKKeyFactory.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLKeyHolder.java
```

```
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLX509CertPath.java
* /opt/cola/permits/1357790912_1657088927.3696637/0/conscrypt-openjdk-uber-2-2-1-sources-2-
jar/org/conscrypt/OpenSSLECDHKeyAgreement.java
```

1.41 fabric8-::kubernetes-model-::-

scheduling 4.13.2

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Found in path(s):

```
* /opt/cola/permits/1357791133_1657281462.1707447/0/kubernetes-model-scheduling-4-13-2-sources-
jar/manifest.vm
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Found in path(s):

* /opt/cola/permits/1357791133_1657281462.1707447/0/kubernetes-model-scheduling-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-scheduling/pom.xml

1.42 commons-codec 1.14

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1.43 apache-commons-beanutils 1.9.4

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1.44 jetty-alpn-conscrypt-server- implementation 9.4.36.v20210114

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Eclipse

The following artifacts are EPL.

* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

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

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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1.45 fabric8-::-kubernetes-model-::-core

4.13.2

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* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/manifest.vm

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* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-core/pom.xml

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* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/WatchEvent.java

* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/KubernetesResource.java

* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-

jar/io/fabric8/kubernetes/api/model/Doneable.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/internal/InternalResourceMappingProvider.java
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* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/KubernetesList.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/HasMetadata.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/internal/KubernetesDeserializer.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/DeletionPropagation.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/KubernetesResourceMappingProvider.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/KubernetesResourceList.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/IntOrString.java
* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/Namespaced.java
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* /opt/cola/permits/1357790954_1657281861.521549/0/kubernetes-model-core-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/HasMetadataComparator.java

1.46 ignite-core 2.12.0

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1.47 netty/transport/classes/kqueue

4.1.75.Final

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Manifest-Version: 1.0
Implementation-Title: Netty/Transport/Classes/KQueue
Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.
Automatic-Module-Name: io.netty.transport.classes.kqueue
Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>
Bundle-SymbolicName: io.netty.transport-classes-kqueue
Implementation-Version: 4.1.75.Final
Built-By: norman
Bnd-LastModified: 1646911414907
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
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Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923

Implementation-Vendor: The Netty Project
Export-Package: io.netty.channel.kqueue;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.socket,io.netty.channel.unix,io.netty.util.concurrent";version="4.1.75"
Bundle-Name: Netty/Transport/Classes/KQueue
Bundle-Version: 4.1.75.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: <https://netty.io/netty-transport-classes-kqueue/>

Found in path(s):

* /opt/cola/permits/1337070168_1654204695.1090112/0/netty-transport-classes-kqueue-4-1-75-final-jar/META-INF/MANIFEST.MF

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Found in path(s):

* /opt/cola/permits/1337070168_1654204695.1090112/0/netty-transport-classes-kqueue-4-1-75-final-jar/META-INF/maven/io.netty/netty-transport-classes-kqueue/pom.xml

1.48 fabric8-::kubernetes-model-::node

4.13.2

1.48.1 Available under license :

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* /opt/cola/permits/1357790966_1657281610.3907032/0/kubernetes-model-node-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-node/pom.xml

1.49 aws-sdk-for-java---bundle 1.11.173

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1.50 aws-java-sdk-http-client-interface 2.15.73

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1.51 mapstruct-core 1.3.1.Final

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1.52 elasticsearch-kubernetes-cloud-plugin

4.13.2

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* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-client/pom.xml

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* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io.fabric8/kubernetes/client/lib/FilenameUtils.java

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- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/osgi/ManagedKubernetesClient.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/V1AuthorizationAPIGroupExtensionAdapter.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/dsl/Editable.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/RbacAPIGroupClient.java
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- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/PortForward.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/dsl/NetworkAPIGroupDSL.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/MetricAPIGroupExtensionAdapter.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/informers/ListenerWatcher.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/dsl/SettingsAPIGroupDSL.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/dsl/AuthorizationAPIGroupDSL.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/GenericKubernetesClient.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/informers/cache/Store.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/io/fabric8/kubernetes/client/StorageAPIGroupExtensionAdapter.java
- * /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-

jar/io/fabric8/kubernetes/client/informers/impl/DefaultSharedIndexInformer.java
* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
jar/io/fabric8/kubernetes/client/V2beta2AutoscalingAPIGroupClient.java
* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
jar/io/fabric8/kubernetes/client/dsl/internal/DefaultOperationInfo.java
* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
jar/io/fabric8/kubernetes/client/utils/KubernetesResourceUtil.java
* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
jar/io/fabric8/kubernetes/client/V1beta1ApiextensionAPIGroupDSL.java
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* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
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* /opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-
jar/io/fabric8/kubernetes/client/extended/leaderelection/LeaderElectorBuilder.java

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Found in path(s):

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*/opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/resource-
operation.vm
*/opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/resource-handler.vm
*/opt/cola/permits/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-jar/resource-handler-
services.vm
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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
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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/1357790758_1657282668.9065251/0/kubernetes-client-4-13-2-sources-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

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1.53 junit-jupiter-junit-jupiter-api 5.6.3

1.53.1 Available under license :

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1.55 spring-boot-reactor-netty-starter

2.3.9.RELEASE

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1.60 lucene-queries 7.4.0

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The levenshtein automata tables (under `core/src/java/org/apache/lucene/util/automaton`) were
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<http://bitbucket.org/jpbarrette/moman/overview/>

The class `org.apache.lucene.util.WeakIdentityMap` was derived from the Apache CXF project and is Apache License 2.0.

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The snowball stemmers in
`analysis/common/src/java/net/sf/snowball`
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The snowball stopword lists in
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were developed by Martin Porter and Richard Boulton.

The full snowball package is available from
<http://snowball.tartarus.org/>

The KStem stemmer in
`analysis/common/src/org/apache/lucene/analysis/en`
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

`analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt`,
`analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt`,
`analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,
`analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,
`analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`,
`analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt`

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`

analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`. See <http://project.carrot2.org/license.html>.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under `modules/analysis/common/src/test/`) is derived from Unicode data such as the Unicode Character Database. See <http://unicode.org/copyright.html> for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (<http://morfologik.blogspot.com/>).

Morfologik uses data from Polish `ispell/myspell` dictionary (<http://www.sjp.pl/slownik/en/>) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

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Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at <http://www.eclipse.org/jetty/downloads.php>

=====
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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This software includes a binary and/or source version of data from

`mecab-ipadic-2.7.0-20070801`

which can be obtained from

<http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz>

or

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Nori Korean Morphological Analyzer - Apache Lucene Integration
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mecab-ko-dic-2.0.3-20170922

which can be obtained from

<https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz>

1.61 okhttp 3.14.9

1.61.1 Available under license :

Note that publicsuffixes.gz is compiled from The Public Suffix List:

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1.62 dom4j-flexible-xml-framework-for-java

2.1.3

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1.63 spring-framework 5.2.19.RELEASE

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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/support/ResourcePatternResolver.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/support/VfsPatternUtils.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
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jar/org/springframework/core/task/TaskTimeoutException.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/asm/ConstantDynamic.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/asm/SymbolTable.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/asm/Constants.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/asm/ModuleVisitor.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/asm/MethodVisitor.java

```
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/ClassTooLargeException.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/Frame.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/Symbol.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/RecordComponentVisitor.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/Opcodes.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/ByteVector.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/AnnotationWriter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/RecordComponentWriter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/MethodTooLargeException.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-
jar/org/springframework/asm/ClassReader.java
```

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```

org.springframework.core.ReactiveAdapterRegistry\$SpringCoreBlockHoundIntegration

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```
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/META-
INF/services/reactor.blockhound.integration.BlockHoundIntegration
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* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/classreading/SimpleMethodMetadataReadingVisitor.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/buffer/DefaultDataBuffer.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/ClassUtils.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/InputStreamSource.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/ConcurrentReferenceHashMap.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/AbstractFileResolvingResource.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/AntPathMatcher.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/PropertyPlaceholderHelper.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/ReflectionUtils.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/log/LogFormatUtils.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/ReactiveAdapterRegistry.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/StringUtils.java

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* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/annotation/AnnotationConfigurationException.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/JdkIdGenerator.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/AlternativeJdkIdGenerator.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/convert/support/StringToCharsetConverter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/serializer/support/DeserializingConverter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/IdGenerator.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/convert/support/StringToCurrencyConverter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/annotation/SynthesizedAnnotation.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/MethodMetadata.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/ResizableByteArrayOutputStream.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/serializer/support/SerializationDelegate.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/serializer/DefaultSerializer.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/SerializableTypeWrapper.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/annotation/SynthesizingMethodParameter.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/MultiValueMap.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/StandardMethodMetadata.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/codec/AbstractDecoder.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/support/SpringFactoriesLoader.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/classreading/ClassMetadataReadingVisitor.java
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- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/Base64Utils.java
- * /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/annotation/MergedAnnotationPredicates.java
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* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/buffer/DataBufferWrapper.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/classreading/AbstractRecursiveAnnotationVisitor.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/DefaultResourceLoader.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/DefaultPropertiesPersister.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/FileSystemResource.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/log/LogMessage.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/io/buffer/DataBuffer.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/type/classreading/RecursiveAnnotationAttributesVisitor.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/env/PropertiesPropertySource.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/BridgeMethodResolver.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/PatternMatchUtils.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/comparator/InstanceComparator.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/StopWatch.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/PriorityOrdered.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/DecoratingProxy.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/env/StandardEnvironment.java

* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/annotation/OrderUtils.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/codec/AbstractDataBufferDecoder.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/util/SerializationUtils.java
* /opt/cola/permits/1357790858_1657089022.4430482/0/spring-core-5-2-19-release-sources-1-jar/org/springframework/core/Conventions.java

1.64 jul-to-slf4j-bridge 1.7.30

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1.65 jsr107 1.1.1

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 */
/**
```

```

* Provides a standard way to access the configuration of a cache using
* JCache configuration or additional proprietary configuration.
* <p>
* The returned value must be immutable.
* <p>
* If the provider's implementation does not support the specified class,
* the { @link IllegalArgumentException } is thrown.
*
* @param <C> the type of the Configuration
* @param clazz the configuration interface or class to return. This includes
*     { @link Configuration }.class and
*     { @link javax.cache.configuration.CompleteConfiguration}s.
* @return the requested implementation of { @link Configuration }
* @throws IllegalArgumentException if the caching provider doesn't support
*     the specified class.
*/
/**
* Provides a standard way to access the underlying concrete caching
* implementation to provide access to further, proprietary features.
* <p>
* If the provider's implementation does not support the specified class,
* the { @link IllegalArgumentException } is thrown.
*
* @param <T> the type of the underlying { @link Cache } implementation
* @param clazz the proprietary class or interface of the underlying concrete
*     cache. It is this type that is returned.
* @return an instance of the underlying concrete cache
* @throws IllegalArgumentException if the caching provider doesn't support
*     the specified class.
* @throws SecurityException when the operation could not be performed
*     due to the current security settings
*/
/**
* Provides a standard way to access the underlying concrete cache entry
* implementation in order to provide access to further, proprietary features.
* <p>
* If the provider's implementation does not support the specified class,
* the { @link IllegalArgumentException } is thrown.
*
* @param <T> the type of the underlying { @link Entry } implementation
* @param clazz the proprietary class or interface of the underlying
*     concrete cache. It is this type that is returned.
* @return an instance of the underlying concrete cache
* @throws IllegalArgumentException if the caching provider doesn't support
*     the specified class.
*/

```

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* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/Cache.java
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*/

/**

* Allows the configuration of defaults for {@link CacheResult}, {@link CachePut},

* {@link CacheRemove}, and {@link CacheRemoveAll} at the class level. Without

* the method level annotations this annotation has no effect.

* <p>

* Following is an example of specifying a default cache name that is used by

* the annotations on the getDomain and deleteDomain methods. The annotation for

* getAllDomains would use the "allDomains" cache name specified in the method

* level annotation.

* <pre><code>

* package my.app;

*

* `CacheDefaults(cacheName="domainCache")`

* public class DomainDao {

* `CacheResult`

* public Domain getDomain(String domainId, int index) {

* ...

* }

*

* `CacheRemove`

* public void deleteDomain(String domainId, int index) {

* ...

* }

*

* `CacheResult(cacheName="allDomains")`

* public List<Domain> getAllDomains() {

* ...

* }

* }

```
* </code></pre>
*
* @author Rick Hightower
* @since 1.0
*/
```

Found in path(s):

```
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
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```

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* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/META-
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```

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```

```
*/
```

```
/**
```

```
* This package contains the API for JCache. JCache describes the technique
```

```
* whereby Java developers use a { @link javax.cache.spi.CachingProvider } to
```

```
* temporarily cache Java objects. It provides a common way for Java programs
```

```
* to create, access, update and remove entries from caches.
```

```
* <h1>Core Concepts</h1>
```

```
* The Java Caching API defines five core interfaces:
```

```
* { @link javax.cache.spi.CachingProvider }, { @link javax.cache.CacheManager },
```

```
* { @link javax.cache.Cache }, { @link javax.cache.Cache.Entry } and
```

```
* { @link javax.cache.expiry.ExpiryPolicy }.
```

```
* <p>
```

```
* A { @link javax.cache.spi.CachingProvider } defines the mechanism to establish,
```

```
* configure, acquire, manage and control zero or more
```

```
* { @link javax.cache.CacheManager}s. An application may access and use zero
```

* or more { @link javax.cache.spi.CachingProvider}s at runtime.

* <p>

* A { @link javax.cache.CacheManager} defines the mechanism to establish, configure, acquire, manage and control zero or more uniquely named { @link javax.cache.Cache}s all within the context of the { @link javax.cache.CacheManager}. A { @link javax.cache.CacheManager} is owned by a single { @link javax.cache.spi.CachingProvider}.

* <p>

* A { @link javax.cache.Cache} is a Map-like data-structure that permits the temporary storage of Key-based Values, some what like { @link java.util.Map} data-structure. A { @link javax.cache.Cache} is owned by a single { @link javax.cache.CacheManager}.

* <p>

* An { @link javax.cache.Cache.Entry} is a single key-value pair stored by a { @link javax.cache.Cache}.

* <p>

* Each entry stored by a { @link javax.cache.Cache} has a defined duration, called the Expiry Duration, during which they may be accessed, updated and removed. Once this duration has passed, the entry is said to be expired. Once expired, entries are no longer available to be accessed, updated or removed, just as if they never existed in a { @link javax.cache.Cache}. Expiry is set using an { @link javax.cache.expiry.ExpiryPolicy}.

* <h1>Store-By-Value and Store-By-Reference</h1>

* Entries are stored by individual { @link javax.cache.Cache}s using one of two mechanisms:

* store-by-value and store-by-reference.

* <h2>Store-By-Value</h2>

* The default mechanism, called store-by-value, instructs an implementation to make a copy of application provided keys and values prior to storing them in a { @link javax.cache.Cache} and later to return a new copy of the entries when accessed from a { @link javax.cache.Cache}.

* <p>

* The purpose of copying entries as they are stored in a { @link javax.cache.Cache} and again when they are returned from a { @link javax.cache.Cache} is to allow applications to continue mutating the state of the keys and values without causing side-effects to entries held by a { @link javax.cache.Cache}.

* <h2>Store-By-Reference</h2>

* The alternative and optional mechanism, called store-by-reference, instructs a { @link javax.cache.Cache} implementation to simply store and return references to the application provided keys and values, instead of making a copies as required by the store-by-value approach. Should an application later mutate the keys or values provided to a { @link javax.cache.Cache} using store-by-reference semantics, the side-effects of the mutations will be visible to those accessing the entries from the { @link javax.cache.Cache}, without an application having to update the { @link javax.cache.Cache}.

* <h1>{ @link javax.cache.Cache}s and { @link java.util.Map}s</h1>

* While { @link javax.cache.Cache}s and { @link java.util.Map}s share somewhat similar APIs, { @link javax.cache.Cache}s are not Maps and { @link java.util.Map}s are not

* { @link javax.cache.Cache}s.

* The following section outlines the main similarities and differences.

* <p>

* Like { @link java.util.Map}-based data-structures:

*

* { @link javax.cache.Cache} values are stored and accessed through an associated

* key.

* Each key may only be associated with a single value in a

* { @link javax.cache.Cache}. Great care must be exercised if mutable objects are

* used as keys. The behavior of a { @link javax.cache.Cache} is undefined if a key

* is mutated in a manner that affects equals comparisons when a key is used with

* a { @link javax.cache.Cache}. { @link javax.cache.Cache}s depend on the

* concept of equality to determine when keys and values are the same. Consequently

* custom key and value classes should define a suitable implementation of the

* { @link java.lang.Object#equals} method. Custom key classes should

* additionally provide a suitable implementation of the

* { @link java.lang.Object#hashCode()} method.

* <p>

* Although recommended, implementations are not required to call either the

* Object.hashCode or Object.equals methods defined by custom key classes.

* Implementations are free to use optimizations whereby the invocation of these

* methods is avoided.

* <p>

* As this specification does not define the concept of object equivalence it

* should be noted applications that make use of custom key classes and rely on

* implementation specific optimizations to determine equivalence may not be

* portable.

*

* Unlike { @link java.util.Map}-based data-structures:

*

* { @link javax.cache.Cache} keys and values must not be null.

* Any attempt to use null for keys or values will result in a

* { @link java.lang.NullPointerException} being thrown, regardless of the use.

* Entries may expire.

* Entries may be evicted.

* To support the compare-and-swap (CAS) operations, those that atomically

* compare and exchange values, custom value classes should provide a suitable

* implementation of { @link java.lang.Object#equals}.

* <p>

* Although recommended, implementations are not required to call the

* { @link java.lang.Object#equals} method defined by custom value classes.

* Implementations are free to implement optimizations whereby the invocation

* of this method is avoided.

* Implementations may require Keys and Values to be serializable in some

* manner.

* { @link javax.cache.Cache}s may be configured to control how entries are stored,

* either using

* store-by-value or optionally using store-by-reference semantics.

- * Implementations may optionally enforce security restrictions. In case of a
- * violation, a { @link java.lang.SecurityException } must be thrown.
- *
- * <h1>Consistency</h1>
- * Consistency refers to the behavior of caches and the guarantees that exist when
- * concurrent cache mutation occur together with the visibility of the mutations
- * when multiple threads are accessing a cache.
- * <p>
- * All implementations must support the Default Consistency model as outlined
- * below.
- * <h2>Default Consistency</h2>
- * When using the default consistency mode, most { @link javax.cache.Cache } operations
- * are performed as if a locking mechanism exists for each key in a
- * { @link javax.cache.Cache }. When a cache operation acquires an exclusive read and
- * write lock on a key all subsequent operations on that key will block until that
- * lock is released. The consequences are that operations performed by a thread
- * happen-before read or mutation operations performed by another thread, including
- * threads in different Java Virtual Machines.
- * <p>
- * For some { @link javax.cache.Cache } operations the value returned by a
- * { @link javax.cache.Cache } is considered the last value. The last value might be an
- * old value or a new value, especially in the case where an entry is concurrently being
- * updated. It is implementation dependent which is returned.
- * <p>
- * Other operations follow a different convention in that mutations may only occur
- * when the current state of an entry matches a desired state. In such operations
- * multiple threads are free to compete to apply these changes i.e. as if they
- * share a lock.
- * <p>
- * As these methods must interact with other { @link javax.cache.Cache } operations
- * acting as if they had an exclusive lock, the CAS methods cannot write new values
- * without acting as if they also had an exclusive lock.
- * <p>
- * See the JCache Specification for further details.
- * <h2>Further Consistency Models</h2>
- * An implementation may provide support for different consistency models in
- * addition to the required Default Consistency mode
- * <h1>A Simple Example</h1>
- * <p>This simple example creates a default { @link javax.cache.CacheManager },
- * configures a { @link javax.cache.Cache } on it called “simpleCache” with a key type
- * of String and a value type of Integer and an expiry of one hour and then performs
- * a some cache operations.
- * </p>
- * <pre><code>
- * //resolve a cache manager
- * CachingProvider cachingProvider = Caching.getCachingProvider();
- * CacheManager cacheManager = cachingProvider.getCacheManager();
- *

```

* //configure the cache
* MutableConfiguration<String, Integer> config =
*   new MutableConfiguration<>()
*   .setTypes(String.class, Integer.class)
*   .setExpiryPolicyFactory(AccessedExpiryPolicy.factoryOf(ONE_HOUR))
*   .setStatisticsEnabled(true);
*
* //create the cache
* Cache<String, Integer> cache = cacheManager.createCache("simpleCache", config);
*
* //cache operations
* String key = "key";
* Integer value1 = 1;
* cache.put("key", value1);
* Integer value2 = cache.get(key);
* cache.remove(key);
* </code></pre>
*
* @author Greg Luck
* @since 1.0
*/

```

Found in path(s):

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/package-info.java

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* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryListener.java

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryEventFilter.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheResolver.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/configuration/Configuration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryEvent.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/management/CacheStatisticsMXBean.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheKeyInvocationContext.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheRemoveAll.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryCreatedListener.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/integration/CacheWriterException.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/processor/EntryProcessorException.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheKeyGenerator.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/expiry/TouchedExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/Caching.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/package-info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryExpiredListener.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/integration/CacheLoader.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/processor/EntryProcessorResult.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/management/CacheMXBean.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/CacheEntryListenerException.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/configuration/CacheEntryListenerConfiguration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/configuration/FactoryBuilder.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/expiry/AccessedExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheInvocationParameter.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/CacheException.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-

jar/javax/cache/configuration/MutableCacheEntryListenerConfiguration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/configuration/OptionalFeature.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/expiry/Duration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/expiry/ExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CachePut.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/integration/CompletionListenerFuture.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/configuration/package-info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/spi/package-
info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/configuration/CompleteConfiguration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheRemove.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/configuration/Factory.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/configuration/MutableConfiguration.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/integration/CompletionListener.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/expiry/EternalExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/integration/CacheLoaderException.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheKey.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/event/package-
info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/expiry/ModifiedExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/GeneratedCacheKey.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/event/CacheEntryUpdatedListener.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/integration/CacheWriter.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheInvocationContext.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/processor/MutableEntry.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/spi/CachingProvider.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-

jar/javax/cache/event/EventType.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheResolverFactory.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/management/package-info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/processor/EntryProcessor.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/expiry/CreatedExpiryPolicy.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/event/CacheEntryRemovedListener.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheValue.java

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*/

/**

* When a method annotated with { @link CacheResult } is invoked a

* { @link GeneratedCacheKey } will be generated and { @link Cache#get(Object) } is

* called before the annotated method actually executes. If a value is found in the

* cache it is returned and the annotated method is never actually executed. If no

* value is found the annotated method is invoked and the returned value is stored

* in the cache with the generated key.

* <p>

* Exceptions are not cached by default. Caching of exceptions can be enabled by

* specifying an { @link #exceptionCacheName() }. If an exception cache is specified

* it is checked before invoking the annotated method and if a cached exception is

* found it is re-thrown.

* <p>

* The { @link #cachedExceptions() } and { @link #nonCachedExceptions() } properties

* can be used to control the exceptions are cached and those that are not.

* <p>

* To always invoke the annotated method and still cache the result set

* {[@link #skipGet\(\)](#)} to true. This will disable the pre-invocation

* {[@link Cache#get\(Object\)](#)} call. If {[@link #exceptionCacheName\(\)](#)} is

* specified the pre-invocation exception check is also disabled. This feature is

* useful for methods that create or update objects to be cached.

* <p>

* Example of caching the Domain object with a key generated from the

* <code>String</code> and <code>int</code> parameters.

* <p>

* With no {[@link #cacheName\(\)](#)} specified a cache name of

* "my.app.DomainDao.getDomain(java.lang.String,int)" will be generated.

* </p>

```
* <pre><code>
```

```
* package my.app;
```

```
* 
```

```
* public class DomainDao {
```

```
*     &#64;CacheResult
```

```
*     public Domain getDomain(String domainId, int index) {
```

```
*         ...
```

```
*     }
```

```
* }
```

```
* </code></pre>
```

* <p>

* Example using the {[@link GeneratedCacheKey](#)} annotation so that only the domainId

* parameter is used in key generation:

```
* <pre><code>
```

```
* package my.app;
```

```
* 
```

```
* public class DomainDao {
```

```
*     &#64;CacheResult
```

```
*     public Domain getDomain(@CacheKey String domainId, Monitor mon) {
```

```
*         ...
```

```
*     }
```

```
* }
```

```
* </code></pre>
```

* <p>

* If exception caching is enabled via specification of

* {[@link #exceptionCacheName\(\)](#)} the following rules are used to determine if a

* thrown exception is cached:

*

* If {[@link #cachedExceptions\(\)](#)} and {[@link #nonCachedExceptions\(\)](#)} are both

* empty then all exceptions are cached

* If {[@link #cachedExceptions\(\)](#)} is specified and

* {[@link #nonCachedExceptions\(\)](#)} is not specified then only exceptions

* that pass an instanceof check against the cachedExceptions list are cached

* If {[@link #nonCachedExceptions\(\)](#)} is specified and

* {[@link #cachedExceptions\(\)](#)} is not specified then all exceptions

* that do not pass an instanceof check against the nonCachedExceptions list are

* cached

- * If { @link #cachedExceptions() } and { @link #nonCachedExceptions() } are both
- * specified then exceptions that pass an instanceof check against the
- * cachedExceptions list but do not pass an instanceof check against the
- * nonCachedExceptions list are cached

*

- * @author Eric Dalquist
- * @author Rick Hightower
- * @see CacheKey
- * @since 1.0

*/

Found in path(s):

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-jar/javax/cache/annotation/CacheResult.java

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*/

/**

- * The cache name resolved by the implementation.
- * <p>
- * The cache name is determined by first looking at the cacheName attribute of
- * the method level annotation. If that attribute is not set then the class
- * level { @link CacheDefaults } annotation is checked. If that annotation does
- * not exist or does not have its cacheName attribute set then the following
- * cache name generation rules are followed:
- * <p>
- * "fully qualified class name"."method name"("fully qualified parameter class
- * names")
- * <p>
- * For example:
- * <pre><code>
- * package my.app;

```

*
* public class DomainDao {
*     &#64;CacheResult
*     public Domain getDomain(String domainId, int index) {
*         ...
*     }
* }
* }
* </code></pre>
* <p>
* Results in the cache name: "my.app.DomainDao.getDomain(java.lang.String,int)"
*
* @return The fully resolved cache name
*/

```

Found in path(s):

```

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/annotation/CacheMethodDetails.java

```

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```

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/processor/package-info.java
* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/integration/package-info.java

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```

```

*/
/**
 * Provides a standard mechanism to access the underlying concrete caching
 * implementation to provide access to further, proprietary features.
 * <p>
 * If the provider's implementation does not support the specified class,
 * the { @link IllegalArgumentException } is thrown.
 *
 * @param <T> the type of the underlying { @link CacheManager }
 * @param clazz the proprietary class or interface of the underlying concrete
 * { @link CacheManager }. It is this type that is returned.
 * @return an instance of the underlying concrete { @link CacheManager }
 * @throws IllegalArgumentException if the caching provider doesn't support the
 * specified class.
 * @throws SecurityException when the operation could not be performed
 * due to the current security settings
 */

```

Found in path(s):

```

* /opt/cola/permits/1183889555_1657279265.1876519/0/cache-api-1-1-1-sources-
jar/javax/cache/CacheManager.java

```

1.66 aws-java-sdk-aws-core 2.15.73

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1.67 fabric8-::-kubernetes-model-::-common

4.13.2

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Found in path(s):

```
* /opt/cola/permits/1357791045_1657281921.3850467/0/kubernetes-model-common-4-13-2-sources-
jar/io/fabric8/kubernetes/model/util/Helper.java
* /opt/cola/permits/1357791045_1657281921.3850467/0/kubernetes-model-common-4-13-2-sources-
jar/io/fabric8/kubernetes/model/annotation/ApiGroup.java
* /opt/cola/permits/1357791045_1657281921.3850467/0/kubernetes-model-common-4-13-2-sources-
jar/io/fabric8/kubernetes/model/annotation/ApiVersion.java
* /opt/cola/permits/1357791045_1657281921.3850467/0/kubernetes-model-common-4-13-2-sources-
jar/io/fabric8/kubernetes/model/annotation/PackageSuffix.java
```

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* /opt/cola/permits/1357791045_1657281921.3850467/0/kubernetes-model-common-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-common/pom.xml

1.68 reactor-core v3.3.14.RELEASE

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reactor.core.scheduler.ReactorBlockHoundIntegration
```

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/util/context/CoreContext.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/util/Metrics.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoUsingWhen.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/ConnectableLiftFuseable.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoDoOnEachFuseable.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/FluxDoOnEachFuseable.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/FluxMetricsFuseable.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/MonoLiftFuseable.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/scheduler/ReactorThreadFactory.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ConnectableLift.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxUsingWhen.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ParallelMergeOrdered.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxMergeOrdered.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoDoOnEach.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/QueueDrainSubscriber.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/GroupedLift.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ConnectableFluxHide.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/Traces.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ParallelLiftFuseable.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/GroupedLiftFuseable.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxRetryWhen.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoRetryWhen.java

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/retry/Retry.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/retry/ImmutableRetrySignal.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/retry/RetrySpec.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/retry/RetryBackoffSpec.java
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoEmpty.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxContextStart.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/scheduler/package-info.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoMap.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxCallableOnAssembly.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/context/Context0.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/context/package-info.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoSequenceEqual.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/package-info.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/context/ContextN.java
```

```
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
```

jar/reactor/core/Disposables.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxWindowBoundary.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/GroupedFlux.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/context/Context.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxDistinctUntilChanged.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxConcatIterable.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxTakeLastOne.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxMap.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoHide.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoSourceFlux.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/function/package-info.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoHasElements.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxDematerialize.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxDefaultIfEmpty.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/scheduler/ParallelScheduler.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxRepeatPredicate.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/concurrent/package-info.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoAny.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoSubscribeOnValue.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoRepeat.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoTimeout.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxName.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxPeek.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/adapters/JdkFlowAdapter.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/ParallelRunOn.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ParallelMergeSort.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/util/Loggers.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxIterable.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoMapFuseable.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxLog.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxSkip.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxWindowTimeout.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoLift.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/Hooks.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoCallableOnAssembly.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/MonoIgnorePublisher.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/SignalType.java
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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jar/reactor/core/publisher/FluxGenerate.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ParallelFluxOnAssembly.java
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jar/reactor/core/publisher/SignalLogger.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxWindow.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/ParallelMap.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/MonoSingle.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
jar/reactor/core/publisher/FluxOnBackpressureBuffer.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-
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jar/reactor/core/publisher/ConnectableFluxOnAssembly.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/FluxDeferWithContext.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/OptimizableOperator.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/ContextTrackingFunctionWrapper.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoDeferWithContext.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/InternalFluxOperator.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/InternalConnectableFluxOperator.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/ParallelDoOnEach.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/scheduler/ReactorBlockHoundIntegration.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoSink.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/FluxBufferTimeout.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoCreate.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/MonoCollect.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/FluxPublish.java

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jar/reactor/util/context/Context2.java

* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/BlockingOptionalMonoSubscriber.java

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jar/reactor/core/publisher/FluxLimitRequest.java

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jar/reactor/core/publisher/FluxDelaySequence.java

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jar/reactor/core/publisher/FluxIndexFuseable.java

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jar/reactor/core/publisher/MonoSingleMono.java

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jar/reactor/core/publisher/OnNextFailureStrategy.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-

jar/reactor/core/publisher/FluxIndex.java

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* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/publisher/EventLoopProcessor.java
* /opt/cola/permits/1357791338_1657106813.650082/0/reactor-core-3-3-14-release-sources-jar/reactor/core/CorePublisher.java

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jar/reactor/util/annotation/Nullable.java
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1.71 jetty-alpn-server 9.4.36.v20210114

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- * org.eclipse.jetty.orbit:javax.security.auth.message

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- * org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

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- * java.sun.security.ssl

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<http://openjdk.java.net/legal/gplv2+ce.html>

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.77 json-smart 2.3

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Found in path(s):

- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserMemory.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/JsonReaderI.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserBase.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/JsonReader.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONUtil.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserString.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONArray.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserInputStream.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONStreamAware.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParser.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/ParseException.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/DefaultMapperOrdered.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/FakeMapper.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/CompressorMapper.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JStylerObj.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/BeansMapper.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONNavi.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONObject.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONAwareEx.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONAware.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/DefaultMapperCollection.java
- * /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserReader.java

```
* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONStyle.java
* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/JSONStreamAwareEx.java
* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserStream.java
* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/parser/JSONParserByteArray.java
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* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/CollectionMapper.java
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```
* /opt/cola/permits/1150838314_1617698236.45/0/json-smart-2-3-sources-3-jar/net/minidev/json/writer/DefaultMapper.java
```

1.78 reactive-relational-database-connectivity-postgresql v0.8.3.RELEASE

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```
* /opt/cola/permits/1357790892_1657088971.2824717/0/nio-stream-storage-1-1-3-sources-2-jar/org/synchronoss/cloud/nio/stream/storage/NameAwarePurgableFileInputStream.java  
* /opt/cola/permits/1357790892_1657088971.2824717/0/nio-stream-storage-1-1-3-sources-2-jar/org/synchronoss/cloud/nio/stream/storage/StreamStorage.java  
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```

```
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1.80 antlr 2.7.7

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1.81 apache-commons-lang 3.10

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1.82 jetty-http2-common 9.4.36.v20210114

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Eclipse

The following artifacts are EPL.

* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

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

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org.mortbay.jasper:apache-jsp

org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli

org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el

org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.83 netty-reactive-streams-implementation

2.0.4

1.83.1 Available under license :

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Manifest-Version: 1.0

Bundle-Description: Reactive streams implementation for Netty.

Automatic-Module-Name: com.typesafe.netty.http

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

Bundle-SymbolicName: com.typesafe.netty.reactive-streams-http

Built-By: marcospereira

Bnd-LastModified: 1574135179373

Bundle-ManifestVersion: 2

Bundle-DocURL: <http://typesafe.com/>

Bundle-Vendor: Typesafe

Import-Package: com.typesafe.netty;version="[2.0,3)",io.netty.buffer;version="[4.1,5)",io.netty.channel;version="[4.1,5)",io.netty.handler.codec;version="[4.1,5)",io.netty.handler.codec.http;version="[4.1,5)",io.netty.handler.codec.http.websocketx;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",org.reactivestreams;version="[1.0,2)"

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Tool: Bnd-3.5.0.201709291849

Export-Package: com.typesafe.netty.http;uses:="io.netty.channel,io.netty.handler.codec.http,io.netty.handler.codec.http.websocketx,org.reactivestreams";version="2.0.4"

Bundle-Name: Netty Reactive Streams HTTP support

Bundle-Version: 2.0.4

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0_222

Found in path(s):

* /opt/cola/permits/1337069698_1654205047.4334867/0/netty-reactive-streams-http-2-0-4-jar/META-INF/MANIFEST.MF

1.84 jakarta-activation 1.2.2

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* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/ValueResolver.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/StrParam.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/PrecompileHelper.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/HbsErrorStrategy.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/Variable.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/ParserFactory.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/AbstractTemplateSource.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/IfHelper.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/context/FieldValueResolver.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/ForwardingTemplateSource.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/WhiteSpaceControl.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/cache/HighConcurrencyTemplateCache.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Template.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/context/MethodValueResolver.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/path/IndexedPath.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/VarDecorator.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/HelperResolver.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/I18nHelper.java

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* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/MustacheSpec.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/I18nSource.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/Locales.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/TemplateSource.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/EmbeddedHelper.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Lambda.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/TagType.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/AbstractTemplateLoader.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Decorator.java

* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/TemplateBuilder.java

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* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/MustacheStringUtils.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Handlebars.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/InlineDecorator.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/CompositeTemplateLoader.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/Partial.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/FastStringWriter.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/PartialBlockForwardingTemplate.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/TemplateList.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/FileTemplateLoader.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Options.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/PathExpressionList.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/BlockDecorator.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/PathExpression.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/DefaultHelperRegistry.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/path/ThisPath.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/internal/Block.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/ServletContextTemplateLoader.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/Formatter.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/io/TemplateLoader.java
* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/helper/LogHelper.java
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* /opt/cola/permits/1357790974_1657281214.4037013/0/handlebars-4-2-0-sources-jar/com/github/jknack/handlebars/context/JavaBeanValueResolver.java

1.87 okhttp-logging-interceptor 3.14.9

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1.88 txw2-runtime 2.3.3

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- * <https://github.com/eclipse-ee4j/jaxb-dtd-parser>
- * <https://github.com/eclipse-ee4j/jaxb-fi>
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* Source:

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testng (6.14.2)

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* Project: <https://testng.org/doc/index.html>

* Source: <https://github.com/cbeust/testng>

wagon-http-lightweight (3.0.0)

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<https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0>

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1.89 spring-security 5.3.8

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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/crypto/encrypt/TextEncryptor.java
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*/
/**
* Base64 encoder which is a reduced version of Robert Harder's public domain
* implementation (version 2.3.7). See <a
* href="http://iharder.sourceforge.net/current/java/base64/">http://iharder.sourceforge.net/current/java/base64/</a>
* for more information.
* <p>
* For internal use only.
*
* @author Luke Taylor
* @since 3.0
* @deprecated Use java.util.Base64
*/
```

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```
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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jar/org/springframework/security/authentication/jaas/AbstractJaasAuthenticationProvider.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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*/  
/**  
*  
* @param authentication represents the user in question. Should not be null.  
* @param targetDomainObject the domain object for which permissions should be  
* checked. May be null in which case implementations should return false, as the null  
* condition can be checked explicitly in the expression.  
* @param permission a representation of the permission object as supplied by the  
* expression system. Not null.  
* @return true if the permission is granted, false otherwise  
*/
```

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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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*/
/**
* Reviews the Object returned from a secure object invocation, being able to
* modify the Object or throw an { @link AccessDeniedException}.
* <p>
* Typically used to ensure the principal is permitted to access the domain object
* instance returned by a service layer bean. Can also be used to mutate the domain object
* instance so the principal is only able to access authorised bean properties or
* Collection elements.
* <p>
* Special consideration should be given to using an AfterInvocationManager
* on bean methods that modify a database. Typically an
* AfterInvocationManager is used with read-only methods, such as
* public DomainObject getById(id). If used with methods that modify a
* database, a transaction manager should be used to ensure any
* AccessDeniedException will cause a rollback of the changes made by the
* transaction.
* </p>
*
* @author Ben Alex
*/

```

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```

* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/core/ComparableVersion.java

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- * /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/core/userdetails/memory/UserAttributeEditor.java
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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/authentication/AuthenticationServiceException.java

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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-jar/org/springframework/security/core/context/SecurityContextHolder.java
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/**

* A token issued by { @link TokenService }.

*

* <p>

* It is important that the keys assigned to tokens are sufficiently randomised and

* secured that they can serve as identifying a unique user session. Implementations of

* { @link TokenService } are free to use encryption or encoding strategies of their choice.

* It is strongly recommended that keys are of sufficient length to balance safety against

* persistence cost. In relation to persistence cost, it is strongly recommended that

* returned keys are small enough for encoding in a cookie.

* </p>

*

* @author Ben Alex

* @since 2.0.1

*/

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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
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* limitations under the License.
*/
/**
* Determines if the { @link #getAuthentication() } has permission to access the target
* given the permission
* @param target the target domain object to check permission on
* @param permission the permission to check on the domain object (i.e. "read",
* "write", etc).
* @return true if permission is granted to the { @link #getAuthentication() }, else
* false
*/
```

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```
* /opt/cola/permits/1357790684_1657106390.9724522/0/spring-security-core-5-3-8-release-sources-2-
jar/org/springframework/security/access/expression/SecurityExpressionOperations.java
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1.91 junit 4.13.2

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1.92 reactive-relational-database-connectivity-spi 0.8.3.RELEASE

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1.93 fabric8-:::-kubernetes-model-:::- admission-registration,-authentication-and- authorization 4.13.2

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1.94 hdrhistogram 2.1.12

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Manifest-Version: 1.0

Bnd-LastModified: 1575980548657

Build-Jdk: 1.8.0_232

Built-By: gil

Bundle-Description: HdrHistogram supports the recording and analyzing sampled data value counts across a configurable integer value range with configurable value precision within the range. Value precision is expressed as the number of significant digits in the value recording, and provides control over value quantization behavior across the value range and the subsequent value resolution at any given level.

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Bundle-ManifestVersion: 2

Bundle-Name: HdrHistogram

Bundle-SymbolicName: org.hdrhistogram.HdrHistogram

Bundle-Version: 2.1.12

Created-By: Apache Maven Bundle Plugin

Export-Package: org.HdrHistogram;version="2.1.12",org.HdrHistogram.packagedarray;version="2.1.12"

Implementation-Title: HdrHistogram

Implementation-Vendor-Id: org.hdrhistogram

Implementation-Version: 2.1.12

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"

Specification-Title: HdrHistogram

Specification-Version: 2.1.12

Tool: Bnd-2.3.0.201405100607

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1.95 istack-common-utility-code-runtime

3.0.11

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<https://svn.apache.org/viewvc/maven/shared/tags/file-management-3.0.0/>

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* Project: <https://maven.apache.org/ref/3.5.2/maven-core/index.html>

* Source: <https://mvnrepository.com/artifact/org.apache.maven/maven-core/3.5.2>

maven-plugin-annotations (3.5)

* License: Apache-2.0

* Project: <https://maven.apache.org/plugin-tools/maven-plugin-annotations/>

* Source:

<https://github.com/apache/maven-plugin-tools/tree/master/maven-plugin-annotations>

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* Project: <https://maven.apache.org/resolver/maven-resolver-transport-file/>

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* Project: <https://maven.apache.org/wagon/>

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1.101 jetty-http2-hpack 9.4.36.v20210114

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

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- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

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- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

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- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper

org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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1.102 aws-java-sdk-core-protocols-aws-query-protocol 2.15.73

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1.103 bean-validation-api 2.0.2

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1.104 spring-commons-logging-bridge

5.2.13.RELEASE

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1.105 apiguardian-apiguardian-api 1.1.0

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2.15.73

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1.110 okio 1.17.2

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```
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jar/okio/RealBufferedSink.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/SegmentPool.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Okio.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Source.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/InflaterSource.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/DeflaterSink.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/ForwardingSink.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Sink.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-  
jar/okio/RealBufferedSource.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/BufferedSource.java  
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-
```

jar/okio/ForwardingSource.java

* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/GzipSource.java
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Buffer.java
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Timeout.java
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* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Segment.java
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/AsyncTimeout.java
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* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/HashingSink.java

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* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/SegmentedByteString.java
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/ForwardingTimeout.java

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* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/ByteString.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Base64.java

1.111 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
```

1.112 kqueue 4.1.75.Final

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```

Found in path(s):

* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/META-INF/maven/io.netty/netty-transport-native-kqueue/pom.xml

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* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/netty_kqueue_eventarray.h

* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/netty_kqueue_native.c

* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/netty_kqueue_bsdsocket.c

* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/netty_kqueue_bsdsocket.h

* /opt/cola/permits/1337069999_1654119438.0065525/0/netty-transport-native-kqueue-4-1-75-final-sources-2-jar/netty_kqueue_eventarray.c

1.113 jetty-java-based-http-1-x-http-2-servlet-websocket-server 9.4.36.v20210114

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- * org.eclipse.jetty.orbit:javax.security.auth.message

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- * org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

- * java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.

<http://openjdk.java.net/legal/gplv2+ce.html>

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- org.ow2.asm:asm-commons
- org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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1.114 jopt-simple 5.0.3

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1.115 jaxb-runtime 2.3.3

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* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-jar/org/intellij/lang/annotations/Identifier.java

* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-jar/org/intellij/lang/annotations/Language.java

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* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-
jar/org/jetbrains/annotations/Nls.java
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jar/org/intellij/lang/annotations/MagicConstant.java
* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-
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jar/org/jetbrains/annotations/NonNls.java
* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-
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* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-
jar/org/intellij/lang/annotations/JdkConstants.java
* /opt/cola/permits/1357791140_1657280792.9052227/0/annotations-16-0-3-sources-
jar/org/jetbrains/annotations/NotNull.java

```

1.117 ignite-spring 2.12.0

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```

// -----
// List of ignite-spring module's dependencies provided as a part of this distribution.
// -----

```

```

=====
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1.119 jsonassert 1.5.0

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* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/skyscreamer/jsonassert/JSONCompareResult.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/skyscreamer/jsonassert/ValueMatcherException.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/skyscreamer/jsonassert/JSONParser.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/skyscreamer/jsonassert/comparator/DefaultComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/skyscreamer/jsonassert/LocationAwareValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-

```
jar/org/skyscreamer/jsonassert/JSONCompare.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/FieldComparisonFailure.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/Customization.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/ValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/RegularExpressionValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONAssert.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/json/JSONString.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/ArraySizeComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/JSONCompareUtil.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/CustomComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONCompareMode.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/JSONComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/ArrayValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/AbstractComparator.java
```

1.120 fabric8-::-kubernetes-model-::-api-extensions 4.13.2

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* /opt/cola/permits/1357790709_1657282180.521295/0/kubernetes-model-apiextensions-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/apiextensions/v1beta1/JSONSchemaPropsOrArraySerDe.java

* /opt/cola/permits/1357790709_1657282180.521295/0/kubernetes-model-apiextensions-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/apiextensions/v1/JSONSchemaPropsOrStringArraySerDe.java

* /opt/cola/permits/1357790709_1657282180.521295/0/kubernetes-model-apiextensions-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/apiextensions/v1beta1/JSONSchemaPropsOrBoolSerDe.java

* /opt/cola/permits/1357790709_1657282180.521295/0/kubernetes-model-apiextensions-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/apiextensions/v1/JSONSchemaPropsOrBoolSerDe.java

* /opt/cola/permits/1357790709_1657282180.521295/0/kubernetes-model-apiextensions-4-13-2-sources-jar/io/fabric8/kubernetes/api/model/apiextensions/v1beta1/JSONSchemaPropsOrStringArraySerDe.java

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1.121 wiremock 2.27.2

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1.122 fabric8-:::-kubernetes-model-:::- networking 4.13.2

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1.123 aws-java-sdk-::-metrics-interface

2.15.73

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1.124 guava 30.1-jre

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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/Striped64.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Striped64.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
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jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/Java8Compatibility.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/math/ToDoubleRounder.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/hash/Java8Compatibility.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/CharSequenceReader.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Verify.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/SubscriberExceptionContext.java
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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/StandardValueGraph.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/GraphConnections.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/AbstractValueGraph.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/EndpointPair.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/ForwardingValueGraph.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/ValueGraph.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/StandardMutableNetwork.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/MutableValueGraph.java
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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/EndpointPairIterator.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/MapRetrievalCache.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/MapIteratorCache.java
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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/DirectedGraphConnections.java
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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/HashMultimapGwtSerializationDependencies.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/AbstractGraph.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/UndirectedGraphConnections.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Comparators.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/AbstractNetwork.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/GraphBuilder.java

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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/UnmodifiableSortedMultiset.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/DescendingMultiset.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AllEqualOrdering.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableMap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredSetMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredKeySetMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableSet.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CompactLinkedHashMap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SortedMultisetBridge.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredKeyListMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/DescendingImmutableSortedSet.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingDeque.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingNavigableSet.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TreeTraverser.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredEntryMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredEntrySetMultimap.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CompactHashMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/EvictingQueue.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CompactLinkedHashSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableEnumMap.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/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/Partially.java
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 */
```

```
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *   ImmutableSortedMap#of(Comparable, Object)}.</b>
 */
```

Found in path(s):

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Count.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractRangeSet.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/IndexedImmutableSet.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/JdkBackedImmutableMap.java

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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Service.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/ByteArrayDataOutput.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/InternetDomainName.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/UnsignedBytes.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Callables.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/html/HtmlEscapers.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/LineProcessor.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/UrlEscapers.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Platform.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/TypeResolver.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/MapMaker.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/JdkFutureAdapters.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/ReferenceEntry.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/DenseImmutableTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingFuture.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/SettableFuture.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/LocalCache.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/cache/CacheBuilder.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/ImmutableDoubleArray.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/ImmutableIntArray.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/AbstractHashFunction.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/ImmutableLongArray.java

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- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/DiscreteDomain.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableSortedMap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ComputationException.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractIndexedListIterator.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableSetMultimap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableEnumSet.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableAsList.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableSortedSet.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ComparisonChain.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ArrayTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TableCollectors.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableList.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SingletonImmutableTable.java
- * /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SingletonImmutableList.java

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```
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jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/eventbus/Subscriber.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntry.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/MultimapBuilder.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingImmutableCollection.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingSortedSetMultimap.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingSetMultimap.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SortedMapDifference.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/MinMaxPriorityQueue.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/UnmodifiableListIterator.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractSequentialIterator.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ForwardingListMultimap.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/GwtTransient.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Equivalence.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Monitor.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Strings.java

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* This method was rewritten in Java from an intermediate step of the Murmur hash function in

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/math/IntMath.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/Ticker.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/package-
info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/math/BigIntegerMath.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/package-
info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/Present.java
```

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AbstractListeningExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/RemovalNotification.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/DoubleUtils.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/BloomFilterStrategies.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/UnsignedLongs.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Absent.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/ForwardingCache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Funnel.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/EmptyContiguousSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/WrappingExecutorService.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/HttpHeaders.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/AbstractCompositeHashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/UnsignedLong.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/UnsignedInts.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Enums.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Optional.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/Funnels.java

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*/

/**

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

*/

Found in path(s):

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/DoublesMethodsForWeb.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ServiceManagerBridge.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Java8Usage.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Platform.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Range.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/UnmodifiableIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Table.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Tables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableCollection.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TreeBasedTable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableListMultimap.java

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Collections2.java
```

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```
*/
```

```
/**
```

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

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

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

```
* thus free to modify the returned array.
```

```
*
```

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

```
*
```

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

```
*
```

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

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ObjectArrays.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/CollectSpliterators.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/package-
info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractSortedSetMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/collect/AbstractMapBasedMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/BiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Multimaps.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractSetMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ComparatorOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ListMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Iterables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/TreeMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ImmutableSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/HashMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ClassToInstanceMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingObject.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Sets.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/LinkedListMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingConcurrentMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingListIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Ordering.java
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jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/Synchronized.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingIterator.java
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jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ForwardingQueue.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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*/

Found in path(s):

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/MoreExecutors.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/CompactHashing.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/IncidentEdgeSet.java
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jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/Traverser.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/JdkPattern.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/Platform.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/Internal.java

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

Found in path(s):

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/Striped.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/reflect/Reflection.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SortedMultiset.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/SortedMultisets.java

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/*

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

*

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*/

Found in path(s):

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/SmallCharMatcher.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/ConsumingQueueIterator.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/InterruptibleTask.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/CombinedFuture.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/AsyncCallable.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/ReaderInputStream.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/hash/MacHashFunction.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/FarmHashFingerprint64.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/Longs.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/net/PercentEscaper.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/escape/UnicodeEscaper.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/Booleans.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Stopwatch.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Joiner.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/escape/Escaper.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/internal/Finalizer.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Converter.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/Ints.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/Doubles.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/net/InetAddresses.java

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

Found in path(s):

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/primitives/ShortsMethodsForWeb.java
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express
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*/
/**
* Holder for web specializations of methods of { @code Floats }. Intended to be empty for regular
* version.
*/
```

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```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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/**
* Holder for web specializations of methods of { @code Ints}. Intended to be empty for regular
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* the License.
*/
/**
* Holder for extra methods of { @code Objects} only in web. Intended to be empty for regular
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Objects.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/Files.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Defaults.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Functions.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/Resources.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Function.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/AbstractIterator.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ListenableFuture.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/base/Preconditions.java

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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/ImmutableRangeSet.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/Element.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/LongAddable.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/ByteSink.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/CharSource.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/PairedStats.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/LongAddables.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ServiceManager.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/hash/AbstractByteHasher.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/CartesianList.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/html/package-info.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/SmoothRateLimiter.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
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* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/MutableGraph.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/ImmutableGraph.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/Network.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/io/InsecureRecursiveDeleteException.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/SuccessorsFunction.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/graph/ImmutableNetwork.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-jar/com/google/common/collect/TopKSelector.java

* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/graph/Graphs.java
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jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-

```
jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/collect/JdkBackedImmutableMultiset.java
* /opt/cola/permits/1118682349_1608591170.06/0/guava-30-1-jre-sources-
jar/com/google/common/util/concurrent/ExecutionSequencer.java
```

1.125 saxon-xslt-and-xquery-processor 10.3

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1.127 jackson-core 2.11.4

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1.128 spring-boot 2.3.9.RELEASE

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- >>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
- >>> ASM 4.0 (org.ow2.asm:asm)

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- >>> JSON library from Android SDK (com.vaadin.external.google:android-json)
- >>> Apache Commons Codec (commons-codec:commons-codec)
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- >>> Apache HttpCore (org.apache.httpcomponents:httpcore)
- >>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
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- >>> Apache Groovy (org.codehaus.groovy:groovy)
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- >>> Maven Model (org.apache.maven:maven-model)
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```

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Ty Coon, President of Vice
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Source Code

The project maintains the following source code repositories:

* <https://github.com/eclipse-ee4j/jta-api>

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1.130 ignite-indexing 2.12.0

1.130.1 Available under license :

```
// -----  
// List of ignite-indexing module's dependencies provided as a part of this distribution.  
// -----
```

```
=====  
For H2 Database Engine (http://www.h2database.com) com.h2database:h2:jar:1.4.197  
=====
```

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```
=====  
For Lucene Common Analyzers (http://lucene.apache.org/lucene-parent/lucene-analyzers-common)  
org.apache.lucene:lucene-analyzers-common:jar:7.4.0  
=====
```

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```
=====  
For Lucene Core (http://lucene.apache.org/lucene-parent/lucene-core) org.apache.lucene:lucene-core:jar:7.4.0  
=====
```

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```
=====  
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queryparser:jar:7.4.0  
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1.131 fabric8-:::-kubernetes-model-::-

discovery 4.13.2

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1.132 scram-common 2.1

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jar/com/ongres/scram/common/util/AbstractStringWritable.java
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jar/com/ongres/scram/common/util/CharAttributeValue.java
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jar/com/ongres/scram/common/gssapi/Gs2CbindFlag.java

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* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/stringprep/StringPreparations.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/util/UsAsciiUtils.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/util/CryptoUtil.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/util/StringWritableCsv.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/ScramAttributeValue.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/util/CharAttribute.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/stringprep/StringPreparation.java

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

/*

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*
*/

Found in path(s):

* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/ExtendedDigest.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/HMac.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/GeneralDigest.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/DigestFactory.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/Strings.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/SHA256Digest.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/Arrays.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/base64/EncoderException.java
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* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/Pack.java
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* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/KeyParameter.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/Mac.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-jar/com/ongres/scram/common/bouncycastle/pbkdf2/Memoable.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-

jar/com/ongres/scram/common/bouncycastle/pbkdf2/Digest.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/pbkdf2/PBParametersGenerator.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/pbkdf2/PKCS5S2ParametersGenerator.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/base64/Encoder.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
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* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/base64/Base64Encoder.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/pbkdf2/DataLengthException.java
* /opt/cola/permits/1357790876_1657106506.9230096/0/common-2-1-sources-3-
jar/com/ongres/scram/common/bouncycastle/pbkdf2/EncodableDigest.java

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1.134 jackson-dataformat-yaml 2.11.4

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1.136 aws-java-sdk-::-bill-of-materials 2.15.73

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1.138 scram-client 2.1

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jar/com/ongres/scram/client/ScramSession.java
* /opt/cola/permits/1357790846_1657106561.4028633/0/client-2-1-sources-
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* /opt/cola/permits/1357790846_1657106561.4028633/0/client-2-1-sources-jar/com/ongres/scram/client/NonceSupplier.java

1.139 aws-java-sdk-auth 2.15.73

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1.140 junit-platform-junit-platform-engine

1.6.3

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1.142 javabeans-activation-framework-api

1.2.2

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1.143 netty-codec-redis 4.1.75.Final

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* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/ErrorRedisMessage.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisMessage.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java

* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisEncoder.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisConstants.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisCodecUtil.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisMessageType.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisMessagePool.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisCodecException.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/RedisDecoder.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/package-info.java
* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java

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* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/META-INF/maven/io.netty/netty-codec-redis/pom.xml
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* /opt/cola/permits/1343907335_1655169516.4999077/0/netty-codec-redis-4-1-75-final-sources-3-jar/io.netty.handler.codec.redis/InlineCommandRedisMessage.java
```

1.144 json-library-from-android-sdk

0.0.20131108.vaadin1

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- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONException.java
- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONTokener.java
- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONStringer.java
- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONObject.java
- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSONArray.java
- * /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-jar/org/json/JSON.java

1.145 launchdarkly-sdk-for-java 5.7.1

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1.146 reactive-relational-database- connectivity-connection-pooling

0.8.5.RELEASE

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1.147 fabric8-::-kubernetes-model-::-events

4.13.2

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* /opt/cola/permits/1357791414_1657281786.1383076/0/kubernetes-model-events-4-13-2-sources-jar/manifest.vm
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* /opt/cola/permits/1357791414_1657281786.1383076/0/kubernetes-model-events-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-events/pom.xml

1.148 asm-analysis 7.2

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1.149 jackson-datatype-jsr310 2.11.4

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1.150 apache-http-client 4.5.13

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```
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-
jar/net/minidev/asm/DynamicClassLoader.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-jar/net/minidev/asm/Accessor.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-
jar/net/minidev/asm/BeansAccess.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-jar/net/minidev/asm/ASMUtil.java
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1.153 error_prone_annotations 2.3.4

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 */
```

Found in path(s):

```
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-
jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-
jar/com/google/errorprone/annotations/concurrent/LockMethod.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-
jar/com/google/errorprone/annotations/NoAllocation.java
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- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/RestrictedApi.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/DoNotMock.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/CompatibleWith.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/FormatMethod.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/FormatString.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/MustBeClosed.java

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- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/CheckReturnValue.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
- * /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/DoNotCall.java

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* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/ForOverride.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/Var.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/CompileTimeConstant.java
* /opt/cola/permits/1206718612_1632455182.54/0/error-prone-annotations-2-3-4-sources-9-jar/com/google/errorprone/annotations/Immutable.java

1.154 jackson-datatype-jdk8 2.11.4

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Manifest-Version: 1.0

Bnd-LastModified: 1607734244150

Build-Jdk-Spec: 1.8

Bundle-Description: Add-on module for Jackson (<http://jackson.codehaus.org>) to supportJDK 8 data types.

Bundle-DocURL: <https://github.com/FasterXML/jackson-modules-java8/jackson-datatype-jdk8>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-ManifestVersion: 2
Bundle-Name: Jackson datatype: jdk8
Bundle-SymbolicName: com.fasterxml.jackson.datatype.jackson-datatype-jdk8
Bundle-Vendor: FasterXML
Bundle-Version: 2.11.4
Created-By: Apache Maven Bundle Plugin
Export-Package: com.fasterxml.jackson.datatype.jdk8;uses:="com.fasterxml.jackson.core,com.fasterxml.jackson.core.io,com.fasterxml.jackson.databind,com.fasterxml.jackson.databind.deser,com.fasterxml.jackson.databind.deser.std,com.fasterxml.jackson.databind.jsonFormatVisitors,com.fasterxml.jackson.databind.jsontype,com.fasterxml.jackson.databind.ser,com.fasterxml.jackson.databind.ser.impl,com.fasterxml.jackson.databind.ser.std,com.fasterxml.jackson.databind.type,com.fasterxml.jackson.databind.util";version="2.11.4"
Implementation-Build-Date: 2020-12-12 00:50:35+0000
Implementation-Title: Jackson datatype: jdk8
Implementation-Vendor: FasterXML
Implementation-Vendor-Id: com.fasterxml.jackson.datatype
Implementation-Version: 2.11.4
Import-Package: com.fasterxml.jackson.core;version="[2.11,3)",com.fasterxml.jackson.core.io;version="[2.11,3)",com.fasterxml.jackson.core.util;version="[2.11,3)",com.fasterxml.jackson.databind;version="[2.11,3)",com.fasterxml.jackson.databind.deser;version="[2.11,3)",com.fasterxml.jackson.databind.deser.std;version="[2.11,3)",com.fasterxml.jackson.databind.jsonFormatVisitors;version="[2.11,3)",com.fasterxml.jackson.databind.jsontype;version="[2.11,3)",com.fasterxml.jackson.databind.ser;version="[2.11,3)",com.fasterxml.jackson.databind.ser.impl;version="[2.11,3)",com.fasterxml.jackson.databind.ser.std;version="[2.11,3)",com.fasterxml.jackson.databind.type;version="[2.11,3)",com.fasterxml.jackson.databind.util;version="[2.11,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Specification-Title: Jackson datatype: jdk8
Specification-Vendor: FasterXML
Specification-Version: 2.11.4
Tool: Bnd-5.1.1.202006162103
X-Compile-Source-JDK: 1.8
X-Compile-Target-JDK: 1.8

Found in path(s):

* /opt/cola/permits/1145409047_1616178081.52/0/jackson-datatype-jdk8-2-11-4-jar/META-INF/MANIFEST.MF

1.155 jboss-logging 3.4.1.Final

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1.157 aws-java-sdk-http-clients-apache

2.15.73

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1.158 fabric8-::-kubernetes-model-::-policy

4.13.2

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Found in path(s):

* /opt/cola/permits/1357791168_1657281559.8009894/0/kubernetes-model-policy-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-policy/pom.xml

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* /opt/cola/permits/1357791168_1657281559.8009894/0/kubernetes-model-policy-4-13-2-sources-jar/manifest.vm

1.159 apache-lucene 7.4.0

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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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1.162 reactor-netty v0.9.17.RELEASE

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Found in path(s):

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jar/reactor/netty/http/client/HttpClientCookieWhen.java
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
jar/reactor/netty/http/HttpDecoderSpec.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
jar/reactor/netty/tcp/TcpClientSecure.java
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jar/reactor/netty/channel/MeterKey.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
jar/reactor/netty/http/server/ConnectionInfo.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-
jar/reactor/netty/http/client/HttpClientCookie.java
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/package-info.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/channel/MonoSendMany.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HAProxyMessageDetector.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/channel/BootstrapHandlers.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientSecure.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/Cookies.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/InetSocketAddressUtil.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/channel/ChannelOperationsHandler.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientForm.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientInfos.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpClient.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpClientUnsecure.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerTcpConfig.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpServerHandle.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpServerUnsecure.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/resources/ConnectionProvider.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpClientOperator.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/NettyPipeline.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpInbound.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientObserve.java
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/HttpInfos.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/WebsocketServerOperations.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientHeaders.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientDoOnError.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpServerObserve.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerObserve.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/websocket/WebsocketSpecImpl.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/DisposableServer.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientOperator.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientDoOn.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/ProxyProtocolSupportType.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/DefaultHttpForwardedHeaderHandler.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/WebsocketServerSpecImpl.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpClientBootstrap.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpServerRunOn.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerConfiguration.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpServerSecure.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpOutbound.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpOperations.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/tcp/TcpServerBootstrap.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/WebsocketClientOperations.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerOperator.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientRequest.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientOperations.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/resources/MicrometerPooledConnectionProviderMeterRegistrar.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/resources/ColocatedEventLoopGroup.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/channel/MicrometerChannelMetricsRecorder.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/HttpMetricsRecorder.java

* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/FutureMono.java

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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientTcpConfig.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/channel/AddressResolverGroupMetrics.java
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/resources/ConnectionPoolMetrics.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientMetricsRecorder.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerSecure.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/HttpOperations.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/PrematureCloseException.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/client/HttpClientState.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HAProxyMessageReader.java
* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/http/server/HttpServerHandle.java
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* /opt/cola/permits/1357790925_1657107216.671391/0/reactor-netty-0-9-17-release-sources-jar/reactor/netty/udp/UdpClientDoOn.java

1.163 fabric8-::-kubernetes-model-::-apps

4.13.2

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* /opt/cola/permits/1357791188_1657282062.3487754/0/kubernetes-model-apps-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-apps/pom.xml

1.164 fabric8-::-kubernetes-model-::-settings

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1.165 jakarta-expression-language-3.0-implementation 3.0.3

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1.167 jetty-http2-server 9.4.36.v20210114

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Eclipse

The following artifacts are EPL.
* 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

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.168 springdoc-openapi-webflux-ui 1.4.3

1.168.1 Available under license :

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*
*/

```

Found in path(s):

```

* /opt/cola/permits/1357790690_1657088877.5095758/0/springdoc-openapi-webflux-ui-1-4-3-sources-
jar/org/springdoc/webflux/ui/SwaggerWebFluxConfigurer.java
* /opt/cola/permits/1357790690_1657088877.5095758/0/springdoc-openapi-webflux-ui-1-4-3-sources-
jar/org/springdoc/webflux/ui/SwaggerIndexPageTransformer.java
* /opt/cola/permits/1357790690_1657088877.5095758/0/springdoc-openapi-webflux-ui-1-4-3-sources-
jar/org/springdoc/webflux/ui/SwaggerWelcome.java
* /opt/cola/permits/1357790690_1657088877.5095758/0/springdoc-openapi-webflux-ui-1-4-3-sources-
jar/org/springdoc/webflux/ui/SwaggerIndexTransformer.java
* /opt/cola/permits/1357790690_1657088877.5095758/0/springdoc-openapi-webflux-ui-1-4-3-sources-
jar/org/springdoc/webflux/ui/SwaggerConfig.java

```

1.169 junit-platform-junit-platform-commons

1.6.3

1.169.1 Available under license :

Eclipse Public License - v 2.0

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1.170 littleproxy 1.1.2

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Found in path(s):

* /opt/cola/permits/1354022719_1656537239.4912744/0/littleproxy-1-1-2-sources-jar/META-INF/maven/org.littleshoot/littleproxy/pom.xml

1.171 mac-os 4.1.75.Final

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Found in path(s):

* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java

* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/DnsResolver.java

* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/package-info.java

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* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml

1.172 fabric8-::-kubernetes-model-::-storage-class 4.13.2

1.172.1 Available under license :

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* /opt/cola/permits/1357791236_1657281320.3156254/0/kubernetes-model-storageclass-4-13-2-sources-jar/manifest.vm

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Found in path(s):

* /opt/cola/permits/1357791236_1657281320.3156254/0/kubernetes-model-storageclass-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-storageclass/pom.xml

1.173 spring-data-r2dbc 1.1.7.RELEASE

1.173.1 Available under license :

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Spring Data R2DBC 1.1.7 (Neumann SR7)

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1.174 hibernate-commons-annotations

5.1.2.Final

1.174.1 Available under license :

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1.175 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>
```

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  <groupId>com.flipkart.zjsonpatch</groupId>  
  <artifactId>zjsonpatch</artifactId>  
  <version>0.3.0</version>  
  <packaging>jar</packaging>
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```
  <name>zjsonpatch</name>  
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  <url>https://github.com/flipkart-incubator/zjsonpatch</url>
```

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    <developerConnection>scm:git:https://github.com/flipkart-incubator/zjsonpatch.git</developerConnection>  
    <tag>HEAD</tag>  
    <url>https://github.com/flipkart-incubator/zjsonpatch</url>
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```
</scm>

<developers>
  <developer>
    <id>vishwakarma</id>
    <name>Gopi Vishwakarma</name>
    <email>vishwakarma.iiita@gmail.com</email>
  </developer>
</developers>

<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>

<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <jackson.version>2.8.5</jackson.version>
</properties>

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        <target>1.6</target>
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        <showWarnings>true</showWarnings>
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  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.3</version>
  <extensions>>true</extensions>
  <configuration>
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    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
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  <artifactId>maven-release-plugin</artifactId>
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    <releaseProfiles>release</releaseProfiles>
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```

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        <version>${jackson.version}</version>
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    </dependency>
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    </dependency>
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        <groupId>org.apache.commons</groupId>
        <artifactId>commons-collections4</artifactId>
        <version>4.1 </version>
    </dependency>
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    <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>

Found in path(s):

* /opt/cola/permits/1288519755_1647351836.02/0/zjsonpatch-0-3-0-jar/META-INF/maven/com.flipkart.zjsonpatch/zjsonpatch/pom.xml

1.176 spring-boot-actuator 2.3.9.RELEASE

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1.177 model-mapper 2.3.8

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* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/InexactMatcher.java

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* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/ValueReader.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/TypeToken.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/valueaccess/MapValueReader.java

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* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/ConfigurableConditionExpression.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/DestinationSetter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyReferenceCollector.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/ReferenceMapExpression.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ReferenceMapExpressionImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/InternalPropertyInfo.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/ExpressionMap.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/SourceGetter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ConfigurableConditionExpressionImpl.java

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- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/Conditions.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeInfoImpl.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/MapConverter.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/NameableType.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/ConverterExpression.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyMappingImpl.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/MatchingStrategies.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/CalendarConverter.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/ToStringBuilder.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/ConstantMapping.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/SourceMappingImpl.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/ArrayIterator.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/StringConverter.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/MappingImpl.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/AssignableConverter.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/Errors.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/EnumConverter.java
- * /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyNameInfoImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/StrictMatchingStrategy.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/PropertyMapping.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ErrorsException.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/MapExpression.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Strings.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ConstantMappingImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/ErrorMessage.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/ConfigurationException.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/AbstractCondition.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeInfo.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/NamingConvention.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/valuemutate/ValueMutateStore.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/NonMergingCollectionConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/Mutator.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/ConverterStore.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyInfoImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/AbstractProvider.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/config/Configuration.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypePair.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/AbstractConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/InheritingConfiguration.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ProxyFactory.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeMapImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/NamingConventions.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ProvisionRequestImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/LooseMatchingStrategy.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Types.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/StandardMatchingStrategy.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyInfoSetResolver.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Primitives.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/MatchingStrategy.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/MergingCollectionConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/valueaccess/ValueAccessStore.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Lists.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/BridgeClassLoaderFactory.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/PropertyInfo.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/NameTokenizers.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/Converter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyInfoResolver.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/ArrayConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/SourceMapping.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/MappingEngine.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/PropertyMap.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/Condition.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/MappingException.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/CharacterConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/TypeMap.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Assert.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/ValidationException.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/BooleanConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/MappingContext.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeMapStore.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/convention/NameTransformers.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/ImplicitMappingBuilder.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/Provider.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/NameTransformer.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/Accessor.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/Mapping.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/MappingEngineImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/ConditionalConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/PropertyType.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/PropertyInfoRegistry.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/ConditionExpression.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Stack.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeInfoRegistry.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/ModelMapper.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/SkipExpression.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/converter/DateConverter.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Iterables.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/MappingContextImpl.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/NameTokenizer.java

* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/builder/ProviderExpression.java

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* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-
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 */
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jar/org/modelmapper/package-info.java
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* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/Pair.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/TypeSafeSourceGetter.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/ValueWriter.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/TypeResolvingList.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Objects.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/spi/PropertyNameInfo.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/Converters.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/valuemutate/MapValueWriter.java
* /opt/cola/permits/1357791432_1657088980.5044694/0/modelmapper-2-3-8-sources-jar/org/modelmapper/internal/util/Callable.java

1.178 hibernate-orm 5.4.28

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*/
/**
* Subclass used to simply instantiation of singular attributes representing an entity's

* version.

*/

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/metamodel/model/domain/internal/SingularAttributeImpl.java

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/jpa/persistence_2_2.xsd

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/hibernate-configuration-3.0.dtd

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*/

/**

* JTA platform implementation intended for use with WebSphere Application Server (WAS).

* <p/>

* WAS, unlike every other app server on the planet, does not allow direct access to the JTS TransactionManager.

* Instead, for common transaction-related tasks users must utilize a proprietary API known as ExtendedJTATransaction.

* <p/>

* Even more unfortunate, the exact TransactionManagerLookup to use inside of WAS is highly dependent upon

* WAS version

* the WAS container in which Hibernate will be utilized

*

* <p/>

* This class is reported to work on WAS version 6 in any of the standard J2EE/Java EE component containers.

*

* @author Gavin King

* @author Jesper Udby

* @author Steve Ebersole

*/

Found in path(s):

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereExtendedJtaPlatform.java

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/metamodel/spi/MetamodelImplementor.java

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 */
// "proprietary" methods is better (this class is "proprietary" too).
```

Found in path(s):

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/graph/EntityGraphs.java
```

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#
org.hibernate.jpamodeling.HibernatePersistenceProvider
```

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```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/resource/beans/container/internal/CdiBasedBeanContainer.java
```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/cache/internal/EnabledCaching.java
```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/resource/beans/container/spi/FallbackContainedBean.java
```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/cache/cfg/spi/DomainDataCachingConfig.java
```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/metamodel/model/convert/package-info.java
```

```
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-
jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractLazyLoadInterceptor.java
```

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/internal/util/io/CharSequenceReader.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/graph/spi/GraphImplementor.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/metamodel/model/domain/spi/DomainModelHelper.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/convert/spi/AutoApplicableConverterDescriptor.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/support/DomainDataStorageAccess.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/support/EntityReadWriteAccess.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/support/CollectionReadWriteAccess.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/graph/internal/SubGraphImpl.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/convert/internal/InstanceBasedConverterDescriptor.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/convert/package-info.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/SecondLevelCacheLogger.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/graph/GraphSemantic.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/graph/internal/AttributeNodeImpl.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/cfg/spi/NaturalIdDataCachingConfig.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/graph/CannotBecomeEntityGraphException.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/resource/beans/container/internal/ContainerManagedLifecycleStrategy.java

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*/
/**

* Used to pass along the CDI BeanManager, if any, to be used.
*
* According to JPA, strictly, the BeanManager should be passed in
* at boot-time and be ready for use at that time. However not all
* environments can do this (WildFly e.g.). To accommodate such
* environments, Hibernate provides 2 options:
*
* * a proprietary CDI extension SPI (that we have proposed to
* the CDI spec group as a standard option) that can be used
* to provide delayed BeanManager access. To use this solution,
* the reference passed as the BeanManager during bootstrap
* should be typed as { @link ExtendedBeanManager }
* * delayed access to the BeanManager reference. Here, Hibernate
* will not access the reference passed as the BeanManager during
* bootstrap until it is first needed. Note however that this has
* the effect of delaying any deployment problems until after
* bootstrapping.

*
* This setting is used to configure Hibernate ORM's access to
* the BeanManager (either directly or via { @link ExtendedBeanManager}).
*/

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/exception/DataException.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/entry/CacheEntryStructure.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/loader/custom/CollectionFetchReturn.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/registry/StandardServiceInitiator.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/stat/QueryStatistics.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/tuple/Tuplizer.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/engine/internal/Collections.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/cache/spi/entry/UnstructuredCacheEntry.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/naming/ImplicitTenantIdColumnNameSource.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/dialect/function/AvgWithArgumentCastFunction.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/engine/jdbc/internal/BasicFormatterImpl.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/query/criteria/internal/predicate/PredicateImplementor.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/source/internal/hbm/ConfigParameterHelper.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/dialect/MySQLInnoDBDialect.java

* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/engine/spi/Managed.java

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/UnsupportedLockAttemptException.java

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/loader/plan/exec/process/spi/CollectionReferenceInitializer.java
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/hql/internal/classic/ParserHelper.java
* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/boot/model/source/spi/SizeSource.java
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 *
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 *
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 * Includes ideas described in http://portal.acm.org/citation.cfm?id=1547428
 */
/**
 * A hash table supporting full concurrency of retrievals and
 * adjustable expected concurrency for updates. This class obeys the
 * same functional specification as { @link java.util.Hashtable }, and
 * includes versions of methods corresponding to each method of
 * <tt>Hashtable</tt>. However, even though all operations are
 * thread-safe, retrieval operations do <em>not</em> entail locking,
 * and there is <em>not</em> any support for locking the entire table
 * in a way that prevents all access. This class is fully
```

* interoperable with `Hashtable` in programs that rely on its thread safety but not on its synchronization details.

* `<p/>`

* `<p>` Retrieval operations (including `get`) generally do not block, so may overlap with update operations (including `put` and `remove`). Retrievals reflect the results of the most recently *completed* update operations holding upon their onset. For aggregate operations such as `putAll` and `clear`, concurrent retrievals may reflect insertion or removal of only some entries. Similarly, Iterators and Enumerations return elements reflecting the state of the hash table at some point at or since the creation of the iterator/enumeration. They do *not* throw `{@link java.util.ConcurrentModificationException}`. However, iterators are designed to be used by only one thread at a time.

* `<p/>`

* `<p>` The allowed concurrency among update operations is guided by the optional `concurrencyLevel` constructor argument (default `16`), which is used as a hint for internal sizing. The table is internally partitioned to try to permit the indicated number of concurrent updates without contention. Because placement in hash tables is essentially random, the actual concurrency will vary. Ideally, you should choose a value to accommodate as many threads as will ever concurrently modify the table. Using a significantly higher value than you need can waste space and time, and a significantly lower value can lead to thread contention. But overestimates and underestimates within an order of magnitude do not usually have much noticeable impact. A value of one is appropriate when it is known that only one thread will modify and all others will only read. Also, resizing this or any other kind of hash table is a relatively slow operation, so, when possible, it is a good idea to provide estimates of expected table sizes in constructors.

* `<p/>`

* `<p>`This class and its views and iterators implement all of the *optional* methods of the `{@link Map}` and `{@link Iterator}` interfaces.

* `<p/>`

* `<p>`This class is copied from Infinispan, and was originally written by Doug Lea with assistance from members of JCP JSR-166 Expert Group and released to the public domain, as explained at <http://creativecommons.org/licenses/publicdomain>

* `<p/>`

* `<p/>`

* `<p>` Like `{@link java.util.Hashtable}` but unlike `{@link HashMap}`, this class does *not* allow `null` to be used as a key or value.

* `<p/>`

* `@param <K>` the type of keys maintained by this map

* `@param <V>` the type of mapped values

*
* @author Doug Lea
*/

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* /opt/cola/permits/1357790924_1657281044.5452492/0/hibernate-core-5-4-28-final-sources-jar/org/hibernate/internal/util/collections/BoundedConcurrentHashMap.java

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1.179 testcontainers-junit-jupiter-extension

1.15.0

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1.180 mockito-junit-jupiter 3.3.3

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1.181 postgresql-jdbc-driver-pgjdbc 42.2.18

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1.182 ignite-spring-data_2.2 2.9.1

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```
// -----  
// List of ignite-spring-data_2.2 module's dependencies provided as a part of this distribution.  
// -----
```

```
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1.183 aws-java-sdk-::-arns 2.15.73

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1.184 commons-compress 1.20

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1.185 jackson-annotations 2.11.4

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Streaming API for XML (JSR-173) Specification

Reference Implementation

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1.187 fabric8-::-kubernetes-model-::-batch

4.13.2

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1.188 aws-java-sdk-annotations 2.15.73

1.188.1 Available under license :

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1.189 fabric8-:::kubernetes-model-::: certificates 4.13.2

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* /opt/cola/permits/1357791225_1657281971.4012341/0/kubernetes-model-certificates-4-13-2-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-certificates/pom.xml

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1.190 picocli 4.5.2

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1.191 aws-java-sdk-sdk-core 2.15.73

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1.192 javassist 3_26_0_ga

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1.193 spring-boot-actuator-autoconfigure

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```

```
<link rel="shortcut icon" href="resources/report.gif" type="image/gif" />
```

```
<title>JaCoCo - License</title>
```

```
</head>
```

```
<body>
```

```
<div class="breadcrumb">
```

```
<a href=" ../index.html" class="el_report">JaCoCo</a> &gt;
```

```
<span class="el_source">License</span>
```

```
</div>
```

```
<div id="content">
```

```
<h1>License</h1>
```

```
<p>
```

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```
</p>
```

```
<p>
```

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</p>
```

```
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<p>
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`</div>`

`</body>`
`</html>`
`<h3>args4j</h3>`

`<p>`
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`</p>`

`<pre>`
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1.197 ignite-shmem 1.0.0

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Nori Korean Morphological Analyzer - Apache Lucene Integration
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mecab-ko-dic-2.0.3-20170922

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1.201 testcontainers-database-commons

1.15.0

1.201.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1357791022_1657283649.8361607/0/database-commons-1-15-0-sources-jar/org/testcontainers/ext/ScriptUtils.java

1.202 aws-event-stream 1.0.1

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1.203 jetty-alpn-client 9.4.36.v20210114

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

- * javax.servlet:javax.servlet-api
- * javax.annotation:javax.annotation-api
- * javax.transaction:javax.transaction-api
- * javax.websocket:javax.websocket-api

Oracle OpenJDK

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- * java.sun.security.ssl

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<http://openjdk.java.net/legal/gplv2+ce.html>

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

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1.204 junit-5-bill-of-materials 5.6.3

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1.205 mapstruct-processor 1.3.1.Final

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.DefaultMapperReference" -->
private final <@includeModel object=type/> ${variableName} = <#if annotatedMapper>Mappers.getMapper(
<@includeModel object=type/>.class );<#else>new <@includeModel object=type/>();</#if>
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/DefaultMapperReference.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.common.SourceRHS" -->
<#if sourceLoopVarName?>${sourceLoopVarName}<#elseif
sourceLocalVarName?>${sourceLocalVarName}<#else>${sourceReference}</#if>
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/SourceRHS.ftl

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```
-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.IterableMappingMethod" -->
<#if overridden>@Override</#if>
<#lt>${accessibility.keyword} <@includeModel object=returnType/> ${name}<#list parameters as
param><@includeModel object=param/><#if param_has_next>, </#if></#list><@throws/> {
  <#list beforeMappingReferencesWithoutMappingTarget as callback>
  <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
  <#if !callback_has_next>

  </#if>
</#list>
if ( ${sourceParameter.name} == null ) {
  <#if !mapNullToDefault>
    <!-- returned target type starts to miss-align here with target handed via param, TODO is this right? -->
    return<#if returnType.name != "void"> null</#if>;
  <#else>
    <#if resultType.arrayType>
      <#if existingInstanceMapping>
        <!-- we can't clear an existing array, so we've got to clear by setting values to default -->
        for (int ${index2Name} = 0; ${index2Name} < ${resultName}.length; ${index2Name}++) {
          ${resultName}[${index2Name}] = ${resultElementType.null};
        }
        return<#if returnType.name != "void"> ${resultName}</#if>;
      <#else>
        return new <@includeModel object=resultElementType/>[0];
      </#if>
    <#else>
      <#if existingInstanceMapping>
        ${resultName}.clear();
        return<#if returnType.name != "void"> ${resultName}</#if>;
      <#else>
        return <@includeModel object=iterableCreation useSizeIfPossible=false/>;
      </#if>
    </#if>
  </#if>
}

<#if resultType.arrayType>
  <#if !existingInstanceMapping>
    <#assign elementTypeString><@includeModel object=resultElementType/></#assign>
    ${elementTypeString}[] ${resultName} = new
    ${elementTypeString?keep_before('[]')}[<@iterableSize/>]${elementTypeString?replace('[^\[\]]+', ', 'r')};
  </#if>
<#else>
  <#if existingInstanceMapping>
```

```

        ${resultName}.clear();
    <#else>
        <#-- Use the interface type on the left side, except it is java.lang.Iterable; use the implementation type - if
present - on the right side -->
        <@iterableLocalVarDef/> ${resultName} = <@includeModel object=iterableCreation
useSizeIfPossible=true/>;
    </#if>
</#if>
<#list beforeMappingReferencesWithMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    <#if !callback_has_next>

    </#if>
</#list>
<#if resultType.arrayType>
    int ${index1Name} = 0;
    for ( <@includeModel object=sourceElementType/> ${loopVariableName} : ${sourceParameter.name} ) {
        <#if existingInstanceMapping>
            if ( ( ${index1Name} >= ${resultName}.length ) || ( ${index1Name} >= <@iterableSize/> ) ) {
                break;
            }
        </#if>
        <@includeModel object=elementAssignment targetWriteAccessorName=resultName+"[${index1Name}]"
targetType=resultElementType isTargetDefined=true/>
            ${index1Name}++;
        }
    </#else>
        for ( <@includeModel object=sourceElementType/> ${loopVariableName} : ${sourceParameter.name} ) {
            <@includeModel object=elementAssignment targetBeanName=resultName
targetWriteAccessorName="add" targetType=resultElementType/>
                }
        </#if>
<#list afterMappingReferences as callback>
    <#if callback_index = 0>

    </#if>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
</#list>

<#if returnType.name != "void">
    return ${resultName};
</#if>
}
<#macro throws>
    <#if (thrownTypes?size > 0)><#t> throws </#if><@compress single_line=true>
        <#list thrownTypes as exceptionType>
            <@includeModel object=exceptionType/>
            <#if exceptionType_has_next>, </#if><#t>

```

```

    </#list>
  </@compress>
</#macro>
<#macro iterableSize>
  <@compress single_line=true>
    <#if sourceParameter.type.arrayType>
      ${sourceParameter.name}.length
    <#else>
      ${sourceParameter.name}.size()
    </#if>
  </@compress>
</#macro>
<#macro iterableLocalVarDef>
  <@compress single_line=true>
    <#if resultType.fullyQualifiedName == "java.lang.Iterable">
      <@includeModel object=resultType.implementationType/>
    <#else>
      <@includeModel object=resultType/>
    </#if>
  </@compress>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/IterableMappingMethod.ftl

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```
-->
```

```
<!--
```

```
macro: handleSourceReferenceNullCheck
```

purpose: macro surrounds nested with either a source presence checker or a null check. It acts directly on the source reference. It adds an else clause with the default assignment when applicable.

requires: caller to implement boolean:getIncludeSourceNullCheck()

```
-->
```

```

<#macro handleSourceReferenceNullCheck>
  <#if sourcePresenceCheckerReference??>
    if ( ${sourcePresenceCheckerReference} ) {
      <#nested>
    }
  <@elseDefaultAssignment/>

```

```

<#elseif includeSourceNullCheck || ext.defaultValueHandling?>
  if ( <#if sourceLocalVarName?>${sourceLocalVarName}<#else>${sourceReference}</#if> != null ) {
    <#nested>
  }
  <@elseDefaultAssignment/>
<#else>
  <#nested>
</#if>
</#macro>

```

```
<!--
```

local macro related to handleSourceReferenceNullCheck

note: the <#elseif setExplicitlyToDefault || setExplicitlyToNull> is only relevant for update mappings
the default value takes precedence

```
-->
```

```

<#macro elseDefaultAssignment>
  <#if ext.defaultValueHandling?> >
  else {
    <@handeDefaultAssignment/>
  }
  <#elseif setExplicitlyToDefault || setExplicitlyToNull>
  else {
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><#if
setExplicitlyToDefault><@lib.initTargetObject/><#else>null</#if></@lib.handleWrite>;
  }
</#if>
</#macro>

```

```
<!--
```

macro: handleLocalVarNullCheck

purpose: macro surrounds nested with either a source presence checker or a null check. It always uses a local variable. Note that the local variable assignment is inside the IF statement for the source presence check. Note also, that the else clause contains the default variable assignment if present.

requires: caller to implement String:getNullCheckLocalVarName()

caller to implement Type:getNullCheckLocalVarType()

```
-->
```

```

<#macro handleLocalVarNullCheck needs_explicit_local_var>
  <#if sourcePresenceCheckerReference?>
  if ( ${sourcePresenceCheckerReference} ) {
    <#if needs_explicit_local_var>
    <@includeModel object=nullCheckLocalVarType/> ${nullCheckLocalVarName} =
  <@lib.handleAssignment/>;
    <#nested>
  <#else>
    <#nested>
  </#if>
  }

```

```

<#else>
  <@includeModel object=nullCheckLocalVarType/> ${nullCheckLocalVarName} = <@lib.handleAssignment/>;
  if ( ${nullCheckLocalVarName} != null ) {
    <#nested>
  }
</#if>
<#if ext.defaultValueAssignment?? >
else {
  <@handeDefaultAssigment/>
}
</#if>
</#macro>
<#--

```

Gives the value that needs to be assigned. If there is a sourcePresenceCheckerReference then a direct lib.handleAssignment is done, otherwise nullCheckLocalVarName is used.

requires: caller to implement String:getNullCheckLocalVarName()

```

-->
<#macro handleWithAssignmentOrNullCheckVar><#if
sourcePresenceCheckerReference??><@lib.handleAssignment/><#else>${nullCheckLocalVarName}</#if></#mac
ro>
<#--

```

macro: handleExceptions

purpose: Includes the try - catch clauses around the nested code.

```

-->
<#macro handleExceptions>
<#if (thrownTypes?size == 0) >
  <#nested>
<#else>
  try {
    <#nested>
  }
  <#list thrownTypes as exceptionType>
  catch ( <@includeModel object=exceptionType/> e ) {
    throw new RuntimeException( e );
  }
</#list>
</#if>
</#macro>
<#--

```

Performs a standard assignment.

```

-->
<#macro handleAssignment>
  <@includeModel object=assignment
    targetBeanName=ext.targetBeanName
    existingInstanceMapping=ext.existingInstanceMapping
    targetReadAccessorName=ext.targetReadAccessorName

```

```

        targetWriteAccessorName=ext.targetWriteAccessorName
        targetType=ext.targetType/>
</#macro>
<!--
Performs a default assignment with a default value.
-->
<#macro handleDefaultAssignment>
    <@includeModel object=ext.defaultValueAssignment
        targetBeanName=ext.targetBeanName
        existingInstanceMapping=ext.existingInstanceMapping
        targetReadAccessorName=ext.targetReadAccessorName
        targetWriteAccessorName=ext.targetWriteAccessorName
        targetType=ext.targetType
        defaultValue=ext.defaultValue/>
</#macro>
<!--
macro: handleWrite

purpose: To handle the writing to a field or using a method. The line is not closed with ';'
-->
<#macro handleWrite><#if fieldAssignment> = <#nested><#else>( <#nested> )</#if></#macro>

<!--
macro: handleWriteAccessing

purpose: To handle accessing the write target type
-->
<#macro handleWriteAccessing><#if fieldAssignment><#else>()</#if></#macro>
<!--
macro: initTargetObject

purpose: To factorize or construct a new target object
-->
<#macro initTargetObject><@compress single_line=true>
    <#if factoryMethod??>
        <@includeModel object=factoryMethod targetType=ext.targetType/>
    <#else>
        <@constructTargetObject/>
    </#if>
</@compress></#macro>
<!--
macro: constructTargetObject

purpose: Either call the constructor of the target object directly or of the implementing type.
-->
<#macro constructTargetObject><@compress single_line=true>
    <#if ext.targetType.implementationType??>
        new <@includeModel object=ext.targetType.implementationType/>()

```

```

<#elseif ext.targetType.arrayType>
  new <@includeModel object=ext.targetType.componentType/>[0]
<#elseif ext.targetType.sensibleDefault??>
  ${ext.targetType.sensibleDefault}
<#else>
  new <@includeModel object=ext.targetType/>()
</#if>
</@compress></#macro>
<#--
macro: sourceLocalVarAssignment

```

purpose: assignment for source local variables. The sourceLocalVarName replaces the sourceReference in the assignmentcall.

```

-->
<#macro sourceLocalVarAssignment>
  <#if sourceLocalVarName??>
    <@includeModel object=sourceType/> ${sourceLocalVarName} = ${sourceReference};
  </#if>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/macro/CommonMacros.ftl

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```

<#--

```

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```

-->
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("Calendar")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
  if ( xcal == null ) {
    return null;
  }

  <@includeModel object=findType("Calendar")/> cal = <@includeModel
object=findType("Calendar")/>.getInstance();
  cal.setTimeInMillis( xcal.toGregorianCalendar().getTimeInMillis() );
  return cal;
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToCalendar.ftl

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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->

```
private static <@includeModel object=findType("java.util.Date")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
```

```
    if ( xcal == null ) {
```

```
        return null;
```

```
    }
```

```
    return xcal.toGregorianCalendar().getTime();
```

```
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToDate.ftl

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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->

```
private String ${name}( <@includeModel object=findType("XMLGregorianCalendar")/> xcal, String dateFormat )
```

```
{
```

```
    if ( xcal == null ) {
```

```
        return null;
```

```
    }
```

```
    if (dateFormat == null ) {
```

```
        return xcal.toString();
```

```
    }
```

```
    else {
```

```
        <@includeModel object=findType("java.util.Date")/> d = xcal.toGregorianCalendar().getTime();
```

```
        <@includeModel object=findType("SimpleDateFormat")/> sdf = new <@includeModel
```

```
object=findType("SimpleDateFormat")/>( dateFormat );
```

```
        return sdf.format( d );
```

```
    }
```

```
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToString.ftl

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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.Java8FunctionWrapper" -->

<#assign sourceVarName><#if assignment.sourceLocalVarName??

>\${assignment.sourceLocalVarName}<#else>\${assignment.sourceReference}</#if></#assign>

<#if (thrownTypes?size == 0) >

<#compress>

<#if directAssignment>

Function.identity()

<#else>

\${sourceVarName} -> <@_assignment/></#if>

</#compress>

<#else>

<#compress>

\${sourceVarName} -> {

try {

return <@_assignment/>;

}

<#list thrownTypes as exceptionType>

catch (<@includeModel object=exceptionType/> e) {

throw new RuntimeException(e);

}

</#list>

}

</#compress>

</#if>

<#macro _assignment>

<@includeModel object=assignment

targetBeanName=ext.targetBeanName

existingInstanceMapping=ext.existingInstanceMapping

targetReadAccessorName=ext.targetReadAccessorName

targetWriteAccessorName=ext.targetWriteAccessorName

targetType=ext.targetType/>

</#macro>

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-

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-->

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private static <@includeModel object=findType("org.joda.time.LocalDate")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
    if ( xcal == null ) {
        return null;
    }

    if ( xcal.getYear() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getMonth() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getDay() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("org.joda.time.LocalDate")/>( xcal.getYear(),
xcal.getMonth(), xcal.getDay() );
    }

    return null;
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/XMLGregorianCalendarToJodaLocalDate.ftl

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-->

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.EnumConstantWrapper" -->
${ext.targetType.name}.${assignment}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
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```
-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.DelegatingMethod" -->
@Override
public <@includeModel object=returnType/> ${name}<#list parameters as param><@includeModel
object=param/><#if param_has_next>, </#if></#list> <@throws/> {
    <#if returnType.name != "void">return </#if>delegate.${name}( <#list parameters as param>${param.name}<#if
param_has_next>, </#if></#list> );
}
<#macro throws>
    <@compress single_line=true>
        <#if (thrownTypes?size > 0)>throws </#if>
        <#list thrownTypes as exceptionType>
            <@includeModel object=exceptionType/>
            <#if exceptionType_has_next>, </#if><#t>
        </#list>
    </@compress>
</#macro>
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
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```
-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.Field" -->
private final <@includeModel object=type/> ${variableName};
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/Field.ftl

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```

-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.MethodReference" -->
<@compress single_line=true>
  <!-- method is either internal to the mapper class, or external (via uses) declaringMapper!=null -->
  <#if declaringMapper??>
    <#if static><@includeModel
object=declaringMapper.type/><#else>${mapperVariableName}</#if>.<@methodCall/>
    <!-- method is provided by a context parameter -->
    <#elseif providingParameter??>
      <#if static><@includeModel
object=providingParameter.type/><#else>${providingParameter.name}</#if>.<@methodCall/>
      <!-- method is referenced java8 static method in the mapper to implement (interface) -->
      <#elseif static>
        <@includeModel object=definingType/>.<@methodCall/>
      <#else>
        <@methodCall/>
      </#if>
    </@compress>
  <!--
  macro: methodCall
  purpose: the actual method call (stuff following the dot)
-->
<#macro methodCall>
  <#lt>${name}<#if (parameterBindings?size > 0)>( <@arguments/> )<#else>()</#if>
</#macro>
<!--
  macro: arguments
  purpose: the arguments in the method call
-->
<#macro arguments>
  <#list parameterBindings as param>
    <#if param.targetType>
      <!-- a class is passed on for casting, see @TargetType -->
      <@includeModel object=inferTypeWhenEnum( ext.targetType ) raw=true/>.class<#t>
    <#elseif param.mappingTarget>
      ${ext.targetBeanName}<#if ext.targetReadAccessorName??.>${ext.targetReadAccessorName}</#if><#t>
    <#elseif param.mappingContext>
      ${param.variableName}<#t>
    <#elseif param.sourceRHS??>
      <@_assignment assignmentToUse=param.sourceRHS/><#t>
    <#elseif assignment??>
      <@_assignment assignmentToUse=assignment/><#t>
    <#else>
      ${param.variableName}<#t>
    </#if>
    <#if param_has_next>, </#if><#t>
  </#list>

```

```

    <!-- context parameter, e.g. for builtin methods concerning date conversion -->
    <#if contextParam?>, ${contextParam}</#if><#t>
</#macro>
<!--
macro: assignment
purpose: note: takes its targetType from the singleSourceParameterType
-->
<#macro _assignment assignmentToUse>
  <@includeModel object=assignmentToUse
    targetBeanName=ext.targetBeanName
      existingInstanceMapping=ext.existingInstanceMapping
      targetReadAccessorName=ext.targetReadAccessorName
      targetWriteAccessorName=ext.targetWriteAccessorName
      targetType=singleSourceParameterType/>
</#macro>

```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MethodReference.ftl
```

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```
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```

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```
-->
```

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.IterableCreation" -->
<@compress single_line=true>
  <#if factoryMethod?>
    <@includeModel object=factoryMethod targetType=resultType/>
  <#elseif enumSet>
    EnumSet.noneOf( <@includeModel object=enumSetElementType raw=true/>.class )
  <#else>
    new
      <#if resultType.implementationType?>
        <@includeModel object=resultType.implementationType/><#if ext.useSizeIfPossible?? &&
ext.useSizeIfPossible && canUseSize>( <@sizeForCreation /> )<#else>()</#if>
      <#else>
        <@includeModel object=resultType/>()</#if>
      </#if>
</@compress>
<#macro sizeForCreation>
  <@compress single_line=true>
    <#if loadFactorAdjustment>
      Math.max( (int) ( <@iterableSize/> / .75f ) + 1, 16 )
    <#else>

```

```

    <@iterableSize/>
  </#if>
</@compress>
</#macro>
<#macro iterableSize>
  <@compress single_line=true>
    <#if sourceParameter.type.arrayType>
      ${sourceParameter.name}.length
    <#else>
      ${sourceParameter.name}.size()
    </#if>
  </@compress>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/IterableCreation.ftl

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```
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```

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```
-->
```

```
<!-- @ftlvariable name=""
```

```
type="org.mapstruct.ap.internal.model.assignment.SetterWrapperForCollectionsAndMapsWithNullCheck" -->
```

```
<#import "../macro/CommonMacros.ftl" as lib>
```

```
<@lib.sourceLocalVarAssignment/>
```

```
<@lib.handleExceptions>
```

```
<@callTargetWriteAccessor/>
```

```
</@lib.handleExceptions>
```

```
<!--
```

assigns the target via the regular target write accessor (usually the setter)

```
-->
```

```
<#macro callTargetWriteAccessor>
```

```
<@lib.handleLocalVarNullCheck needs_explicit_local_var=directAssignment>
```

```
  ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><#if
```

```
directAssignment><@wrapLocalVarInCollectionInitializer/><#else><@lib.handleWithAssignmentOrNullCheckVar/></#if></@lib.handleWrite>;
```

```
</@lib.handleLocalVarNullCheck>
```

```
</#macro>
```

```
<!--
```

wraps the local variable in a collection initializer (new collection, or EnumSet.copyOf)

```
-->
```

```
<#macro wrapLocalVarInCollectionInitializer><@compress single_line=true>
```

```
<#if enumSet>
```

```

EnumSet.copyOf( ${nullCheckLocalVarName} )
<#else>
    new <#if ext.targetType.implementationType?><@includeModel
object=ext.targetType.implementationType/><#else><@includeModel object=ext.targetType/></#if>(
${nullCheckLocalVarName} )
</#if>
</@compress></#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/SetterWrapperForCollectionsAndMapsWithNullCheck.ftl

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```
<#--
```

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```
-->
```

```

<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.LocalVarWrapper" -->
<#if (thrownTypes?size == 0) >
    <#if !ext.isTargetDefined?? ><@includeModel object=ext.targetType/></#if> ${ext.targetWriteAccessorName} =
<@_assignment/>;
<#else>
    <#if !ext.isTargetDefined?? ><@includeModel object=ext.targetType/> ${ext.targetWriteAccessorName};</#if>
    try {
        ${ext.targetWriteAccessorName} = <@_assignment/>;
    }
    <#list thrownTypes as exceptionType>
    catch ( <@includeModel object=exceptionType/> e ) {
        throw new RuntimeException( e );
    }
</#list>
</#if>
<#macro _assignment>
    <@includeModel object=assignment
        targetBeanName=ext.targetBeanName
        existingInstanceMapping=ext.existingInstanceMapping
        targetReadAccessorName=ext.targetReadAccessorName
        targetWriteAccessorName=ext.targetWriteAccessorName
        targetType=ext.targetType/>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/LocalVarWrapper.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.ServicesEntry" -->
${implementationPackage}.${implementationName}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/ServicesEntry.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.AnnotatedConstructor" -->
<#if noArgumentConstructor??>
  <@includeModel object=noArgumentConstructor/>
</#if>
```

```
<#list annotations as annotation>
```

```
  <#nt><@includeModel object=annotation/>
```

```
</#list>
```

```
public ${name}(<#list mapperReferences as mapperReference><#list mapperReference.annotations as
annotation><@includeModel object=annotation/> </#list><@includeModel object=mapperReference.type/>
${mapperReference.variableName}<#if mapperReference_has_next>, </#if></#list>) {
```

```
  <#if noArgumentConstructor?? && !noArgumentConstructor.fragments.empty>this();</#if>
```

```
  <#list mapperReferences as mapperReference>
```

```
    this.${mapperReference.variableName} = ${mapperReference.variableName};
```

```
  </#list>
```

```
  <#list fragments as fragment>
```

```
    <#nt><@includeModel object=fragment/>
```

```
  </#list>
```

```
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/AnnotatedConstructor.ftl

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```
#
```

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```

```
org.mapstruct.ap.MappingProcessor
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/META-INF/services/javax.annotation.processing.Processor
```

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```
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```

```
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```

```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.AdderWrapper" -->
```

```
<#import "../macro/CommonMacros.ftl" as lib>
```

```
<@lib.handleExceptions>
```

```
    <@lib.sourceLocalVarAssignment/>
```

```
    <@lib.handleSourceReferenceNullCheck>
```

```
        for ( <@includeModel object=adderType.typeBound/> ${ sourceLoopVarName } : <#if sourceLocalVarName?>${ sourceLocalVarName }<#else>${ sourceReference }</#if> ) {
```

```
            ${ ext.targetBeanName }.${ ext.targetWriteAccessorName }<@lib.handleWrite><@lib.handleAssignment/></@lib.handleWrite>;
```

```
        }
```

```
    </@lib.handleSourceReferenceNullCheck>
```

```
</@lib.handleExceptions>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/AdderWrapper.ftl
```

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```
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```

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```

```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
```

```
private <@includeModel object=findType("XMLGregorianCalendar")/> ${ name }( <@includeModel object=findType("Date")/> date ) {
```

```
if ( date == null ) {
    return null;
}

<@includeModel object=findType("GregorianCalendar")/> c = new <@includeModel
object=findType("GregorianCalendar")/>();
c.setTime( date );
return ${supportingField.variableName}.newXMLGregorianCalendar( c );
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/DateToXmlGregorianCalendar.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${ name }( <@includeModel
object=findType("Calendar")/> cal ) {
    if ( cal == null ) {
        return null;
    }
}
```

```
<@includeModel object=findType("GregorianCalendar")/> gcal = new <@includeModel
object=findType("GregorianCalendar")/>( cal.getTimeZone() );
gcal.setTimeInMillis( cal.getTimeInMillis() );
return ${supportingField.variableName}.newXMLGregorianCalendar( gcal );
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/CalendarToXmlGregorianCalendar.ftl

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-->

```
<!-- @ftlvariable name=""
```

```
type="org.mapstruct.ap.internal.model.assignment.SetterWrapperForCollectionsAndMaps" -->
<#import "../macro/CommonMacros.ftl" as lib>
<@lib.sourceLocalVarAssignment/>
<@lib.handleExceptions>
${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><@lib.handleAssignment/></@lib.handleWrite>;
</@lib.handleExceptions>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/SetterWrapperForCollectionsAndMaps.ftl
```

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-->

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.SetterWrapper" -->
<#import "../macro/CommonMacros.ftl" as lib>
<@lib.handleExceptions>
  <@lib.sourceLocalVarAssignment/>
  <@lib.handleSourceReferenceNullCheck>
  ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><@lib.handleAssignment/></@lib.handleWrite>;
  </@lib.handleSourceReferenceNullCheck>
</@lib.handleExceptions>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/SetterWrapper.ftl
```

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-->

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.common.Type" -->
<@compress single_line=true>
  <#if wildCardExtendsBound>
    ? extends <@includeModel object=typeBound />
  <#elseif wildCardSuperBound>
    ? super <@includeModel object=typeBound />
```

```
<#else>
  <#if
ext.asVarArgs!false>${createReferenceName()}remove_ending("[ ]")...<#else>${createReferenceName()}</#if></
#if><#if (!ext.raw?? && typeParameters?size > 0) >><#list typeParameters as typeParameter><@includeModel
object=typeParameter /><#if typeParameter_has_next>, </#if></#list>>
  </#if>
</@compress>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/common/Type.ftl
```

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```
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```

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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.NoArgumentConstructor" -->
```

```
public ${name}() {
<#list fragments as fragment>
  <#nt><@includeModel object=fragment/>
</#list>
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/NoArgumentConstructor.ftl
```

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```
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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
```

```
private static <@includeModel object=findType("java.time.LocalDate")/> ${name}(<@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
  if ( xcal == null ) {
    return null;
  }
```

```
return <@includeModel object=findType("java.time.LocalDate")/>.of( xcal.getYear(), xcal.getMonth(),
xcal.getDay() );
```

```
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToLocalDate.ftl
```

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```
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```

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```
-->
```

```
<!-- @ftlvariable name=""
```

```
type="org.mapstruct.ap.internal.model.assignment.ExistingInstanceSetterWrapperForCollectionsAndMaps" -->
```

```
<#import "../macro/CommonMacros.ftl" as lib>
```

```
<@lib.sourceLocalVarAssignment/>
```

```
<@lib.handleExceptions>
```

```
if ( ${ext.targetBeanName}.${ext.targetReadAccessorName} != null ) {
```

```
    <@lib.handleLocalVarNullCheck needs_explicit_local_var=false>
```

```
    ${ext.targetBeanName}.${ext.targetReadAccessorName}.clear();
```

```
    ${ext.targetBeanName}.${ext.targetReadAccessorName}.<#if
```

```
ext.targetType.collectionType>addAll<#else>putAll</#if>( <@lib.handleWithAssignmentOrNullCheckVar/> );
```

```
    </@lib.handleLocalVarNullCheck>
```

```
    <#if !ext.defaultValueAssignment?? && !sourcePresenceCheckerReference?? && includeElseBranch>else {<#-
```

```
- the opposite (defaultValueAssignment) case is handled inside lib.handleLocalVarNullCheck -->
```

```
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><#if
```

```
mapNullToDefault><@lib.initTargetObject/><#else>null</#if></@lib.handleWrite>;
```

```
    }
```

```
    </#if>
```

```
}
```

```
else {
```

```
    <@callTargetWriteAccessor/>
```

```
}
```

```
</@lib.handleExceptions>
```

```
<!--
```

assigns the target via the regular target write accessor (usually the setter)

```
-->
```

```
<#macro callTargetWriteAccessor>
```

```
<@lib.handleLocalVarNullCheck needs_explicit_local_var=directAssignment>
```

```
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><#if
```

```
directAssignment><@wrapLocalVarInCollectionInitializer/><#else><@lib.handleWithAssignmentOrNullCheckVar/></#if></@lib.handleWrite>;
```

```
    </@lib.handleLocalVarNullCheck>
```

```
</#macro>
```

```
<!--
```

wraps the local variable in a collection initializer (new collection, or EnumSet.copyOf)

```
-->
<#macro wrapLocalVarInCollectionInitializer><@compress single_line=true>
  <#if enumSet>
    EnumSet.copyOf( ${nullCheckLocalVarName} )
  <#else>
    new <#if ext.targetType.implementationType?><@includeModel
object=ext.targetType.implementationType/><#else><@includeModel object=ext.targetType/></#if>(
${nullCheckLocalVarName} )
  </#if>
</@compress></#macro>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/assignment/ExistingInstanceSetterWrapperForCollectionsAndMaps.ftl
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```

```
<#--
```

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```
-->
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.LifecycleCallbackMethodReference" -->
<@compress single_line=true>
  <#if hasReturnType()>
    <@includeModel object=methodResultType /> ${targetVariableName} =
  </#if>
  <#include 'MethodReference.ftl'>;
</@compress>
<#if hasReturnType()><#nt>
if ( ${targetVariableName} != null ) {
  return<#if methodReturnType.name != "void"> ${targetVariableName}</#if>;
}</#if>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
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```

```
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```

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```
-->
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
```

```

private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( <@includeModel
object=findType("ZonedDateTime")/> zdt ) {
    if ( zdt == null ) {
        return null;
    }

    return ${supportingField.variableName}.newXMLGregorianCalendar( <@includeModel
object=findType("GregorianCalendar")/>.from( zdt ) );
}

```

Found in path(s):

```

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
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```

```

<!--

```

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```

-->

```

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.EnumMappingMethod" -->

```

```

@Override

```

```

public <@includeModel object=returnType/> ${name}<#list parameters as param><@includeModel
object=param/><#if param_has_next>, </#if></#list> ) {

```

```

    <#list beforeMappingReferencesWithoutMappingTarget as callback>

```

```

        <@includeModel object=callback targetBeanName=resultName targetType=resultType/>

```

```

        <#if !callback_has_next>

```

```

            </#if>

```

```

    </#list>

```

```

    if ( ${sourceParameter.name} == null ) {

```

```

        return null;

```

```

    }

```

```

    <@includeModel object=resultType/> ${resultName};

```

```

    switch ( ${sourceParameter.name} ) {

```

```

        <#list enumMappings as enumMapping>

```

```

            case ${enumMapping.source}: ${resultName} = <@includeModel
object=returnType/>.${enumMapping.target};

```

```

                break;

```

```

        </#list>

```

```

        default: throw new IllegalArgumentException( "Unexpected enum constant: " + ${sourceParameter.name} );

```

```

    }

```

```

    <#list beforeMappingReferencesWithMappingTarget as callback>

```

```

        <#if callback_index = 0>

```

```

    </#if>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
</#list>
<#list afterMappingReferences as callback>
    <#if callback_index = 0>

        </#if>
        <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    </#list>

    return ${resultName};
}

```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/EnumMappingMethod.ftl
```

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```
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```

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```
-->
```

```

<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.BeanMappingMethod" -->
<#if overridden>@Override</#if>
<#lt>${ accessibility.keyword } <@includeModel object=returnType/> ${name}<#list parameters as
param><@includeModel object=param/><#if param_has_next>, </#if></#list><@throws/> {
    <#assign targetType = resultType />
    <#if !existingInstanceMapping>
        <#assign targetType = returnTypeToConstruct />
    </#if>
    <#list beforeMappingReferencesWithoutMappingTarget as callback>
        <@includeModel object=callback targetBeanName=resultName targetType=targetType/>
        <#if !callback_has_next>

            </#if>
        </#list>
        <#if !mapNullToDefault>
            if ( <#list sourceParametersExcludingPrimitives as sourceParam>${sourceParam.name} == null<#if
sourceParam_has_next> && </#if></#list> ) {
                return<#if returnType.name != "void"> null</#if>;
            }
        </#if>

        <#if !existingInstanceMapping>

```

```

    <@includeModel object=returnTypeToConstruct/> ${resultName} = <#if factoryMethod?><@includeModel
object=factoryMethod targetType=returnTypeToConstruct/><#else>new <@includeModel
object=returnTypeToConstruct/>()</#if>;

</#if>
<#list beforeMappingReferencesWithMappingTarget as callback>
<@includeModel object=callback targetBeanName=resultName targetType=targetType/>
<#if !callback_has_next>

</#if>
</#list>
<#if (sourceParameters?size > 1)>
    <#list sourceParametersExcludingPrimitives as sourceParam>
        <#if (propertyMappingsByParameter(sourceParam)?size > 0)>
            if ( ${sourceParam.name} != null ) {
                <#list propertyMappingsByParameter(sourceParam) as propertyMapping>
                    <@includeModel object=propertyMapping targetBeanName=resultName
existingInstanceMapping=existingInstanceMapping
defaultValueAssignment=propertyMapping.defaultValueAssignment/>
                </#list>
            }
        </#if>
    </#list>
    <#list sourcePrimitiveParameters as sourceParam>
        <#if (propertyMappingsByParameter(sourceParam)?size > 0)>
            <#list propertyMappingsByParameter(sourceParam) as propertyMapping>
                <@includeModel object=propertyMapping targetBeanName=resultName
existingInstanceMapping=existingInstanceMapping
defaultValueAssignment=propertyMapping.defaultValueAssignment/>
            </#list>
        </#if>
    </#list>
</#else>
    <#if mapNullToDefault>if ( ${sourceParameters[0].name} != null ) {</#if>
    <#list propertyMappingsByParameter(sourceParameters[0]) as propertyMapping>
        <@includeModel object=propertyMapping targetBeanName=resultName
existingInstanceMapping=existingInstanceMapping
defaultValueAssignment=propertyMapping.defaultValueAssignment/>
    </#list>
    <#if mapNullToDefault>}</#if>
</#if>
<#list constantMappings as constantMapping>
    <@includeModel object=constantMapping targetBeanName=resultName
existingInstanceMapping=existingInstanceMapping/>
</#list>
<#list afterMappingReferences as callback>
    <#if callback_index = 0>

```

```

</#if>
<@includeModel object=callback targetBeanName=resultName targetType=targetType/>
</#list>
<#if returnType.name != "void">

<#if finalizerMethod?>
    return ${resultName}.<@includeModel object=finalizerMethod />;
<#else>
    return ${resultName};
</#if>
</#if>
}
<#macro throws>
<#if (thrownTypes?size > 0)><#t> throws </#if><@compress single_line=true>
    <#list thrownTypes as exceptionType>
        <@includeModel object=exceptionType/>
        <#if exceptionType_has_next>, </#if><#t>
    </#list>
</@compress>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/BeanMappingMethod.ftl

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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.common.Parameter" -->
<@includeModel object=type as VarArgs=varArgs/> ${name}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/Parameter.ftl

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```
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```
-->
```

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <T> T ${name}( <@includeModel object=findType("JAXBElement") raw=true/><T> element ) {
    if ( element == null ) {
        return null;
    }

    return element.isNil() ? null : element.getValue();
}

```

Found in path(s):

```

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/JaxbElemToValue.ftl

```

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```

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```

-->

```

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private static <@includeModel object=findType("DateTime")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
    if ( xcal == null ) {
        return null;
    }

    if ( xcal.getYear() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getMonth() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getDay() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getHour() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getMinute() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    ) {
        if ( xcal.getSecond() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
            && xcal.getMillisecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
            && xcal.getTimezone() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
            return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
                xcal.getMonth(),
                xcal.getDay(),
                xcal.getHour(),
                xcal.getMinute(),
                xcal.getSecond(),
                xcal.getMillisecond(),
                <@includeModel object=findType("DateTimeZone")/>.forOffsetMillis( xcal.getTimezone() * 60000 )
            );
        }
    }
}

```

```

    }
    else if ( xcal.getSecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getMillisecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            xcal.getSecond(),
            xcal.getMillisecond()
        );
    }
    else if ( xcal.getSecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getTimezone() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            xcal.getSecond(),
            <@includeModel object=findType("DateTimeZone")/>.forOffsetMillis( xcal.getTimezone() * 60000 )
        );
    }
    else if ( xcal.getSecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            xcal.getSecond()
        );
    }
    else if ( xcal.getTimezone() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            <@includeModel object=findType("DateTimeZone")/>.forOffsetMillis( xcal.getTimezone() * 60000 )
        );
    }
    else {

```

```

        return new <@includeModel object=findType("DateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute()
        );
    }
}
return null;
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XMLGregorianCalendarToJodaDateTime.ftl

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-->

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingConstructorFragment" -->
try {
    ${definingMethod.supportingField.variableName} = <@includeModel
object=definingMethod.supportingField.type/>.newInstance();
}
catch ( <@includeModel object=definingMethod.findType("DatatypeConfigurationException")/> ex ) {
    throw new RuntimeException( ex );
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/NewDatatypeFactoryConstructorFragment.ftl

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-->

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private static <@includeModel object=findType("org.joda.time.LocalDateTime")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
    if ( xcal == null ) {

```

```

return null;
}

if ( xcal.getYear() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getMonth() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getDay() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getHour() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
    && xcal.getMinute() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
) {
    if ( xcal.getSecond() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getMillisecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("org.joda.time.LocalDateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            xcal.getSecond(),
            xcal.getMillisecond()
        );
    }
    else if ( xcal.getSecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        return new <@includeModel object=findType("org.joda.time.LocalDateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute(),
            xcal.getSecond()
        );
    }
    else {
        return new <@includeModel object=findType("org.joda.time.LocalDateTime")/>( xcal.getYear(),
            xcal.getMonth(),
            xcal.getDay(),
            xcal.getHour(),
            xcal.getMinute()
        );
    }
}
return null;
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToJodaLocalDateTime.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( <@includeModel
object=findType("org.joda.time.LocalDateTime")/> dt ) {
    if ( dt == null ) {
        return null;
    }

    return ${supportingField.variableName}.newXMLGregorianCalendar(
        dt.getYear(),
        dt.getMonthOfYear(),
        dt.getDayOfMonth(),
        dt.getHourOfDay(),
        dt.getMinuteOfHour(),
        dt.getSecondOfMinute(),
        dt.getMillisOfSecond(),
        <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED );
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/JodaLocalDateTimeToXmlGregorianCalendar.ftl
```

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( String date, String dateFormat )
{
    if ( date == null ) {
        return null;
    }

    try {
        if ( dateFormat != null ) {
            <@includeModel object=findType("DateFormat")/> df = new <@includeModel
object=findType("SimpleDateFormat")/>( dateFormat );
```

```

    <@includeModel object=findType("GregorianCalendar")/> c = new <@includeModel
object=findType("GregorianCalendar")/>();
    c.setTime( df.parse( date ) );
    return ${supportingField.variableName}.newXMLGregorianCalendar( c );
}
else {
    return ${supportingField.variableName}.newXMLGregorianCalendar( date );
}
}
}
catch ( <@includeModel object=findType("ParseException")/> ex ) {
    throw new RuntimeException( ex );
}
}
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/StringToXmlGregorianCalendar.ftl

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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.PropertyMapping" -->

```

<@includeModel object=assignment
    targetBeanName=ext.targetBeanName
    existingInstanceMapping=ext.existingInstanceMapping
    targetReadAccessorName=targetReadAccessorName
    targetWriteAccessorName=targetWriteAccessorName
    targetType=targetType
    defaultValueAssignment=defaultValueAssignment />

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/PropertyMapping.ftl

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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.Annotation" -->

```
@<@includeModel object=type/><#if (properties?size > 0) >(<#list properties as property>${property} <#if
property_has_next>, </#if></#list>)</#if>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/Annotation.ftl
```

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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( <@includeModel
object=findType("org.joda.time.LocalDateTime")/> dt ) {
    if ( dt == null ) {
        return null;
    }
}
```

```
return ${supportingField.variableName}.newXMLGregorianCalendarTime(
    dt.getHourOfDay(),
    dt.getMinuteOfHour(),
    dt.getSecondOfMinute(),
    dt.getMillisOfSecond(),
    <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED );
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/JodaLocalTimeToXmlGregorianCalendar.ftl
```

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```
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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.AnnotationMapperReference" -->
<#if includeAnnotationsOnField>
    <#list annotations as annotation>
        <#nt><@includeModel object=annotation/>
    </#list>
</#if>
```

```
</#if>
private <#if fieldFinal>final </#if><@includeModel object=type/> ${variableName};
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/AnnotationMapperReference.ftl
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```
-->
```

```
<#-- @ftlvariable name=""
type="org.mapstruct.ap.internal.model.assignment.GetterWrapperForCollectionsAndMaps" -->
<#import "../macro/CommonMacros.ftl" as lib>
<@lib.sourceLocalVarAssignment/>
if ( ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWriteAccessing /> != null ) {
  <@lib.handleExceptions>
  <#if ext.existingInstanceMapping>
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWriteAccessing />.clear();
  </#if>
  <@lib.handleLocalVarNullCheck needs_explicit_local_var=false>
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWriteAccessing />.<#if
ext.targetType.collectionType>addAll<#else>putAll</#if>( <@lib.handleWithAssignmentOrNullCheckVar/> );
  </@lib.handleLocalVarNullCheck>
  </@lib.handleExceptions>
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/assignment/GetterWrapperForCollectionsAndMaps.ftl
```

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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("ZonedDateTime")/> ${name}<@includeModel
object=findType("Calendar")/> cal) {
  if ( cal == null ) {
    return null;
```

```
}

return <@includeModel object=findType("ZonedDateTime")/>.ofInstant( cal.toInstant(),
cal.getTimeZone().toZoneId() );
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/CalendarToZonedDateTime.ftl
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```

```
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```
-->
```

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("Calendar")/> ${name}(<@includeModel
object=findType("ZonedDateTime")/> dateTime) {
    if ( dateTime == null ) {
        return null;
    }
}
```

```
<@includeModel object=findType("Calendar")/> instance = <@includeModel
object=findType("Calendar")/>.getInstance( TimeZone.getTimeZone( dateTime.getTimeZone() ) );
instance.setTimeInMillis( dateTime.toInstant().toEpochMilli() );
return instance;
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/ZonedDateTimeToCalendar.ftl
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```

```
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```
-->
```

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( <@includeModel
object=findType("DateTime")/> dt ) {
    if ( dt == null ) {
        return null;
    }
}
```

```
}
return ${supportingField.variableName}.newXMLGregorianCalendar(
    dt.getYear(),
    dt.getMonthOfYear(),
    dt.getDayOfMonth(),
    dt.getHourOfDay(),
    dt.getMinuteOfHour(),
    dt.getSecondOfMinute(),
    dt.getMillisOfSecond(),
    dt.getZone().getOffset( null ) / 60000 );
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/JodaDateTimeToXmlGregorianCalendar.ftl
```

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```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/GeneratedType.ftl
```

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```
org.mapstruct.ap.internal.processor.CdiComponentProcessor
org.mapstruct.ap.internal.processor.Jsr330ComponentProcessor
org.mapstruct.ap.internal.processor.MapperCreationProcessor
org.mapstruct.ap.internal.processor.MapperRenderingProcessor
org.mapstruct.ap.internal.processor.MethodRetrievalProcessor
org.mapstruct.ap.internal.processor.SpringComponentProcessor
org.mapstruct.ap.internal.processor.MapperServiceProcessor
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/META-
INF/services/org.mapstruct.ap.internal.processor.ModelElementProcessor
```

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-->

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.UpdateWrapper" -->
<#import '../macro/CommonMacros.ftl' as lib >
<@lib.handleExceptions>
<#if includeSourceNullCheck>
  <@lib.sourceLocalVarAssignment/>
  if ( <#if sourcePresenceCheckerReference?? >${sourcePresenceCheckerReference}<#else><#if
sourceLocalVarName??>${sourceLocalVarName}<#else>${sourceReference}</#if> != null</#if> ) {
    <@assignToExistingTarget/>
    <@lib.handleAssignment/>;
  }
  <#if setExplicitlyToDefault || setExplicitlyToNull>
  else {
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><#if
setExplicitlyToDefault><@lib.initTargetObject/><#else>null</#if></@lib.handleWrite>;
  }
  </#if>
<#else>
  <@assignToExistingTarget/>
  <@lib.handleAssignment/>;
</#if>
</@lib.handleExceptions>
<!--
  target inner check and assignment
-->
<#macro assignToExistingTarget>
  if ( ${ext.targetBeanName}.${ext.targetReadAccessorName} == null ) {
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite><@lib.initTargetObject/></@lib.han
dleWrite>;
  }
</#macro>

```

Found in path(s):

```

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/assignment/UpdateWrapper.ftl

```

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```

<!--

```

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```

-->

```

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.StreamAdderWrapper" -->
<#import "../macro/CommonMacros.ftl" as lib>
<@lib.handleExceptions>
  <@lib.sourceLocalVarAssignment/>
  <@lib.handleSourceReferenceNullCheck>

```

```
<#if sourceLocalVarName??>${sourceLocalVarName}<#else>${sourceReference}</#if>.forEach(
${ext.targetBeanName}::${ext.targetWriteAccessorName} );
</@lib.handleSourceReferenceNullCheck>
</@lib.handleExceptions>
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/assignment/StreamAdderWrapper.ftl
```

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```
<#--
```

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```
-->
```

```
<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${name}( <@includeModel
object=findType("org.joda.time.LocalDate")/> dt ) {
    if ( dt == null ) {
        return null;
    }
}
```

```
return ${supportingField.variableName}.newXMLGregorianCalendarDate(
    dt.getYear(),
    dt.getMonthOfYear(),
    dt.getDayOfMonth(),
    <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED );
}
```

Found in path(s):

```
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/source/builtin/JodaLocalDateToXmlGregorianCalendar.ftl
```

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```
<#--
```

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```
-->
```

```
private DecimalFormat ${name}( String numberFormat ) {
```

```
    DecimalFormat df = new DecimalFormat( numberFormat );
    df.setParseBigDecimal( true );
    return df;
```

```
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/CreateDecimalFormat.ftl

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```
<!--
```

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```
-->
```

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.ValueMappingMethod" -->
<#if overridden>@Override</#if>
<#lt>${accessibility.keyword} <@includeModel object=returnType/> ${name}<#list parameters as
param><@includeModel object=param/><#if param_has_next>, </#if></#list> ) {
  <#list beforeMappingReferencesWithoutMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    <#if !callback_has_next>

      </#if>
</#list>
  if ( ${sourceParameter.name} == null ) {
    return <#if nullTarget?><@includeModel object=returnType/>.${nullTarget}<#else>null</#if>;
  }

  <@includeModel object=resultType/> ${resultName};

  switch ( ${sourceParameter.name} ) {
    <#list valueMappings as valueMapping>
      case ${valueMapping.source}: ${resultName} = <#if valueMapping.target?><@includeModel
object=returnType/>.${valueMapping.target}<#else>null</#if>;
      break;
    </#list>
    default: <#if throwIllegalArgumentExpection>throw new IllegalArgumentException( "Unexpected enum
constant: " + ${sourceParameter.name} )<#else>${resultName} = <#if defaultTarget?><@includeModel
object=returnType/>.${defaultTarget}<#else>null</#if></#if>;
  }
  <#list beforeMappingReferencesWithMappingTarget as callback>
    <#if callback_index = 0>

      </#if>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
  </#list>
  <#list afterMappingReferences as callback>
    <#if callback_index = 0>
```

```
</#if>
<@includeModel object=callback targetBeanName=resultName targetType=resultType/>
</#list>
```

```
return ${resultName};
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/ValueMappingMethod.ftl

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/*

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*/

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/MappingExclusionProvider.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/AbstractNumberToStringConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/accessor/AccessorType.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JavaLocalDateToStringConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MappingBuilderContext.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/DateFormatValidatorFactory.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/DateFormatValidationResult.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToJodaLocalDate.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/MappingProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/DefaultMapperReference.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToJodaDateTime.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/Mapper.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/AbstractBaseBuilder.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToLocalDate.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/NewDatatypeFactoryConstructorFragment.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/FreeBuilderAccessorNamingStrategy.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/MappingMethodUtils.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/SimpleConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/WrapperForCollectionsAndMaps.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/BeanMappingMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/SourceMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/JodaLocalDateToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/workarounds/EclipseAsMemberOfWorkaround.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/AnnotatedConstructor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/Strings.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/AnnotationBasedComponentModelProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/BuiltInMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/MapperCreationProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/DefaultMappingExclusionProvider.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/JodaDateTimeToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/ImmutableAccessorNamingStrategy.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/CurrencyToStringConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/DateToSqlTimestampConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/ArrayCopyWrapper.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/AbstractToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/JodaTimeConstants.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/MapperServiceProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/Mapping.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/DefaultConversionContext.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/JodaLocalTimeToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/DateToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/ImmutableConstants.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/CdiComponentProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/DelegatingMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/Assignment.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/BuilderType.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/XmlConstants.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JodaLocalDateToStringConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/ParameterProvidedMethods.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/FinalField.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/PropertyEntry.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/dependency/GraphAnalyzer.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/BuilderProvider.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/AnnotationMapperReference.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/DefaultAccessorNamingStrategy.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/DefaultBuilderProvider.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/Decorator.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/NullValuePropertyMappingStrategyPrism.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/StringToXmlGregorianCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/ReportingPolicyPrism.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/UpdateWrapper.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MapperReference.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/AssignmentWrapper.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/accessor/Accessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/creation/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/NullValueCheckStrategyPrism.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/PrismGenerator.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/AstModifyingAnnotationProcessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/InjectionStrategyPrism.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/ClassUtils.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/writer/ModelWriter.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/BigIntegerToPrimitiveConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JodaDateTimeToCalendarConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/FormattingParameters.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/ContainerMappingMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/ConversionProvider.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/RoundContext.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/AnnotationProcessingException.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/BigDecimalToWrapperConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/Java8FunctionWrapper.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/ModelElement.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/WrapperToWrapperConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/BuiltInConstructorFragment.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/EnumMapping.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/Constructor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/selector/package-info.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToCalendar.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/accessor/AbstractAccessor.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MethodReference.java

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* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JodaLocalTimeToStringConversion.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/processor/DefaultModelElementProcessorContext.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/BigDecimalToPrimitiveConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/selector/CreateOrUpdateSelector.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/Accessibility.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/prism/MappingConstantsPrism.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/TypeConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/FormattingMessenger.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/AccessorNamingUtils.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/MapperConfiguration.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/selector/TypeSelector.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/option/package-info.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/JaxbConstants.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/accessor/VariableElementAccessor.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/Annotation.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/BigDecimalToStringConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/AbstractMappingMethodBuilder.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/PrimitiveToWrapperConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/ImplementationType.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/Extractor.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JavaLocalDateToDateConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/CollectionAssignmentBuilder.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/Fields.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/BigIntegerToStringConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/ExistingInstanceSetterWrapperForCollectionsAndMaps.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/StreamMappingMethod.java

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/HelperMethod.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MappingMethod.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/WrapperToStringConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/Type.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/PrimitiveToStringConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/conversion/JavaLocalDateTimeToDateConversion.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/GeneratedType.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/TypeHierarchyErroneousException.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/NoArgumentConstructor.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/Filters.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XmlGregorianCalendarToString.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/common/Parameter.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/spi/MoreThanOneBuilderCreationMethodException.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/TargetReference.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/BuiltInMappingMethods.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/AnnotationProcessorContext.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/writer/Writable.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/util/accessor/ExecutableElementAccessor.java
* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/assignment/package-info.java
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-->

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.assignment.ArrayCopyWrapper" -->

```

<#import "../macro/CommonMacros.ftl" as lib>
<@lib.handleExceptions>
  <@lib.sourceLocalVarAssignment/>
  <@lib.handleSourceReferenceNullCheck>
    ${ext.targetBeanName}.${ext.targetWriteAccessorName}<@lib.handleWrite>Arrays.copyOf(
    ${sourceLocalVarName}, ${sourceLocalVarName}.length )</@lib.handleWrite>;
  </@lib.handleSourceReferenceNullCheck>
</@lib.handleExceptions>

```

Found in path(s):

```

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/assignment/ArrayCopyWrapper.ftl

```

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```

<#--

```

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```

-->

```

```

<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.StreamMappingMethod" -->
<#if overridden>@Override</#if>
<#lt>${accessibility.keyword} <@includeModel object=returnType/> ${name}<#list parameters as
param><@includeModel object=param/><#if param_has_next>, </#if></#list><@throws/> {
  <#--TODO does it even make sense to do a callback if the result is a Stream, as they are immutable-->
  <#list beforeMappingReferencesWithoutMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    <#if !callback_has_next>

</#if>
</#list>
if ( ${sourceParameter.name} == null ) {
  <#if !mapNullToDefault>
    <#-- returned target type starts to miss-align here with target handed via param, TODO is this right? -->
    return<#if returnType.name != "void"> null</#if>;
  <#else>
    <#if resultType.arrayType>
      <#if existingInstanceMapping>
        <#-- we can't clear an existing array, so we've got to clear by setting values to default -->
        for (int ${index2Name} = 0; ${index2Name} < ${resultName}.length; ${index2Name}++) {
          ${resultName}[${index2Name}] = ${resultElementType.null};
        }
        return<#if returnType.name != "void"> ${resultName}</#if>;
      <#else>
        return new <@includeModel object=resultElementType/>[0];
      </#if>
    <#elseif resultType.iterableType>

```

```

    <#if existingInstanceMapping>
        ${resultName}.clear();
        return<#if returnType.name != "void"> ${resultName}</#if>;
    <#else>
        return <@includeModel object=iterableCreation useSizeIfPossible=false/>;
    </#if>
<#else>
    <#if existingInstanceMapping>
        <!-- We cannot update an existing stream so we just return the old one -->
        return<#if returnType.name != "void"> ${resultName}</#if>;
    <#else>
        return Stream.empty();
    </#if>
</#if>
</#if>
}

```

<!-- A variable needs to be defined if there are before or after mappings and this is not existingInstanceMapping ->

```

<#assign needVarDefine = (beforeMappingReferencesWithMappingTarget?has_content ||
afterMappingReferences?has_content) && !existingInstanceMapping />

```

```

<#if resultType.arrayType>
    <#if needVarDefine>
        <#assign needVarDefine = false />
        <!-- We create a null array which later will be directly assigned from the stream-->
        ${resultElementType}[] ${resultName} = null;
    </#if>
<#elseif resultType.iterableType>
    <#if existingInstanceMapping>
        ${resultName}.clear();
    <#elseif needVarDefine>
        <#assign needVarDefine = false />
        <!-- Use the interface type on the left side, except it is java.lang.Iterable; use the implementation type - if
present - on the right side -->
        <@iterableLocalVarDef/> ${resultName} = <@includeModel object=iterableCreation
useSizeIfPossible=true/>;
    </#if>
<#else>
    <!-- Streams are immutable so we can't update them -->
    <#if needVarDefine>
        <#assign needVarDefine = false />
        <@iterableLocalVarDef/> ${resultName} = Stream.empty();
    </#if>
</#if>

```

```

<#list beforeMappingReferencesWithMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>

```

```

<#if !callback_has_next>

</#if>
</#list>

<#-- If there are no after mappings, no variable was created before i.e. no before mappings
and this is not an existingInstanceMapping then we can return immediately -->
<#assign canReturnImmediately = !afterMappingReferences?has_content && !needVarDefine &&
!existingInstanceMapping/>

<#if resultType.arrayType>
  <#if existingInstanceMapping>
    int ${index1Name} = 0;
    for ( <@includeModel object=resultElementType/> ${loopVariableName} : ${sourceParameter.name }.limit(
${resultName}.length )<@streamMapSupplier />.toArray( ${resultElementType}[]::new ) ) {
      if ( ( ${index1Name} >= ${resultName}.length ) ) {
        break;
      }
      ${resultName}[${index1Name}++] = ${loopVariableName};
    }
  <#else>
    <#if canReturnImmediately><#if returnType.name != "void">return </#if><#else> <#if
needVarDefine>${resultElementType}[] <#else>${resultName} =
</#if></#if>${sourceParameter.name}<@streamMapSupplier />
      .toArray( <@includeModel object=resultElementType/>[]::new );
    </#if>
  <#elseif resultType.iterableType>
    <#if existingInstanceMapping || !canReturnImmediately>
      ${resultName}.addAll( ${sourceParameter.name}<@streamMapSupplier />
        .collect( Collectors.toCollection( <@iterableCollectionSupplier /> ) )
      );
    <#else>
      <@returnLocalVarDefOrUpdate>
        <#lt>${sourceParameter.name}<@streamMapSupplier />
          .collect( Collectors.toCollection( <@iterableCollectionSupplier /> ) );
      </@returnLocalVarDefOrUpdate>
    </#if>
  <#else>
    <#-- Streams are immutable so we can't update them -->
    <#if !existingInstanceMapping>
      <#--TODO fhr: after the the result is no longer the same instance, how does it affect the
Before mapping methods. Does it even make sense to have before mapping on a stream? -->
      <#if sourceParameter.type.arrayType>
        <@returnLocalVarDefOrUpdate>Stream.of( ${sourceParameter.name} )<@streamMapSupplier
/>;</@returnLocalVarDefOrUpdate>
      <#elseif sourceParameter.type.collectionType>
        <@returnLocalVarDefOrUpdate>${sourceParameter.name}.stream()<@streamMapSupplier

```

```

/></@returnLocalVarDefOrUpdate>
    <#elseif sourceParameter.type.iterableType>
        <@returnLocalVarDefOrUpdate>StreamSupport.stream( ${sourceParameter.name}.spliterator(), false
) <@streamMapSupplier /></@returnLocalVarDefOrUpdate>
    <#else>
        <@returnLocalVarDefOrUpdate>${sourceParameter.name} <@streamMapSupplier
/></@returnLocalVarDefOrUpdate>
    </#if>
</#if>

</#if>

<#list afterMappingReferences as callback>
<#if callback_index = 0>

</#if>
<@includeModel object=callback targetBeanName=resultName targetType=resultType/>
</#list>

<#if !canReturnImmediately && returnType.name != "void">
    return ${resultName};
</#if>
}
<#macro throws>
<#if (thrownTypes?size > 0)><#t> throws </#if><@compress single_line=true>
<#list thrownTypes as exceptionType>
<@includeModel object=exceptionType/>
<#if exceptionType_has_next>, </#if><#t>
</#list>
</@compress>
</#macro>
<#macro iterableSize>
<@compress single_line=true>
<#if sourceParameter.type.arrayType>
    ${sourceParameter.name}.length
<#else>
    ${sourceParameter.name}.size()
</#if>
</@compress>
</#macro>
<#macro iterableLocalVarDef>
<@compress single_line=true>
<#if resultType.fullyQualifiedName == "java.lang.Iterable">
    <@includeModel object=resultType.implementationType/>
<#else>
    <@includeModel object=resultType/>
</#if>
</@compress>

```

```

</#macro>
<#macro iterableCollectionSupplier>
  <@compress single_line=true>
    <#if resultType.implementationType??>
      <@includeModel object=resultType.implementationType/>
    <#else>
      <@includeModel object=resultType/></#if>::new
    </@compress>
</#macro>
<#macro streamMapSupplier>
  <@compress>
    <#if !elementAssignment.directAssignment?? || !elementAssignment.directAssignment>
      .map( <@includeModel object=elementAssignment targetBeanName=resultName
targetType=resultElementType/> )
    </#if>
  </@compress>
</#macro>
<#macro returnLocalVarDefOrUpdate>
  <#if canReturnImmediately><#if returnType.name != "void">return </#if><#elseif
needVarDefine><@iterableLocalVarDef/> ${resultName} = <#else>${resultName} = </#if><#nested />
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/StreamMappingMethod.ftl

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-->

\${name}<#if ext.input??>(\${ext.input})<#else>()</#if>

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/ConversionMethod.ftl

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-->

```

<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.MapMappingMethod" -->
<#if overridden>@Override</#if>
<#lt>${accessibility.keyword} <@includeModel object=returnType /> ${name}<#list parameters as
param><@includeModel object=param/><#if param_has_next>, </#if></#list><@throws/> {
  <#list beforeMappingReferencesWithoutMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    <#if !callback_has_next>

    </#if>
  </#list>
  if ( ${sourceParameter.name} == null ) {
    <#if !mapNullToDefault>
      return<#if returnType.name != "void"> null</#if>;
    <#else>
      <#if existingInstanceMapping>
        ${resultName}.clear();
        return<#if returnType.name != "void"> ${resultName}</#if>;
      <#else>
        return <@includeModel object=iterableCreation useSizeIfPossible=false/>;
      </#if>
    </#if>
  }

  <#if existingInstanceMapping>
    ${resultName}.clear();
  <#else>
    <@includeModel object=resultType /> ${resultName} = <@includeModel object=iterableCreation
useSizeIfPossible=true/>;
  </#if>

  <#list beforeMappingReferencesWithMappingTarget as callback>
    <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
    <#if !callback_has_next>

    </#if>
  </#list>
  <!-- Once #148 has been addressed, the simple name of Map.Entry can be used -->
  for ( java.util.Map.Entry<<#list sourceElementTypes as typeParameter><@includeModel object=typeParameter
/><#if typeParameter_has_next>, </#if></#list>> ${entryVariableName} : ${sourceParameter.name}.entrySet() ) {
    <!-- key -->
    <@includeModel object=keyAssignment
      targetWriteAccessorName=keyVariableName
      targetType=resultElementTypes[0].typeBound/>
    <!-- value -->
    <@includeModel object=valueAssignment
      targetWriteAccessorName=valueVariableName
      targetType=resultElementTypes[1].typeBound/>
    ${resultName}.put( ${keyVariableName}, ${valueVariableName} );

```

```

}
<#list afterMappingReferences as callback>
  <#if callback_index = 0>

  </#if>
  <@includeModel object=callback targetBeanName=resultName targetType=resultType/>
</#list>
<#if returnType.name != "void">

  return ${resultName};
</#if>
}
<#macro throws>
  <#if (thrownTypes?size > 0)><#t> throws </#if><@compress single_line=true>
    <#list thrownTypes as exceptionType>
      <@includeModel object=exceptionType/>
      <#if exceptionType_has_next>, </#if><#t>
    </#list>
  </@compress>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/MapMappingMethod.ftl

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-->

```

<#-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.TypeConversion" -->
<@compress single_line=true>
${openExpression}<@_assignment/>${closeExpression}
<#macro _assignment>
  <@includeModel object=assignment
    targetBeanName=ext.targetBeanName
    existingInstanceMapping=ext.existingInstanceMapping
    targetReadAccessorName=ext.targetReadAccessorName
    targetWriteAccessorName=ext.targetWriteAccessorName
    targetType=ext.targetType/>
</#macro>
</@compress>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-

jar/org/mapstruct/ap/internal/model/TypeConversion.ftl

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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private <@includeModel object=findType("XMLGregorianCalendar")/> ${ name }( <@includeModel
object=findType("java.time.LocalDate")/> localDate ) {
    if ( localDate == null ) {
        return null;
    }

    return ${supportingField.variableName }.newXMLGregorianCalendarDate(
        localDate.getYear(),
        localDate.getMonthValue(),
        localDate.getDayOfMonth(),
        <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED );
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/LocalDateToXmlGregorianCalendar.ftl
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-->

```
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingField" -->
private final <@includeModel object=type/> ${variableName};
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/FinalField.ftl
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```
-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.SupportingMappingMethod" -->
private static <@includeModel object=findType("org.joda.time.LocalTime")/> ${name}( <@includeModel
object=findType("XMLGregorianCalendar")/> xcal ) {
    if ( xcal == null ) {
        return null;
    }

    if ( xcal.getHour() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
        && xcal.getMinute() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
        if ( xcal.getSecond() != <@includeModel object=findType("DatatypeConstants")/>.FIELD_UNDEFINED
            && xcal.getMillisecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
            return new <@includeModel object=findType("org.joda.time.LocalTime")/>( xcal.getHour(),
                xcal.getMinute(),
                xcal.getSecond(),
                xcal.getMillisecond()
            );
        }
        else if ( xcal.getSecond() != <@includeModel
object=findType("DatatypeConstants")/>.FIELD_UNDEFINED ) {
            return new <@includeModel object=findType("org.joda.time.LocalTime")/>(
                xcal.getHour(),
                xcal.getMinute(),
                xcal.getSecond()
            );
        }
        else {
            return new <@includeModel object=findType("org.joda.time.LocalTime")/>( xcal.getHour(),
                xcal.getMinute()
            );
        }
    }
    return null;
}
```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/source/builtin/XMLGregorianCalendarToJodaLocalTime.ftl

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<!--

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```

-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.DecoratorConstructor" -->
public ${name}() {
    this( new ${delegateName}() );
}

private ${name}(${delegateName} delegate) {
    <#if invokeSuperConstructor>
    super( delegate );
    </#if>
    this.delegate = delegate;
}

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-jar/org/mapstruct/ap/internal/model/DecoratorConstructor.ftl

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```

-->
<!-- @ftlvariable name="" type="org.mapstruct.ap.internal.model.NestedPropertyMappingMethod" -->
<#list parameters as param><@includeModel object=param/><#if param_has_next>, </#if></#list><@throws> {
    if ( ${sourceParameter.name} == null ) {
        return ${returnType.null};
    }
}
<#list propertyEntries as entry>
    <#if entry.presenceCheckerName?? >
    if ( <#if entry_index != 0><@localVarName index=entry_index/> == null || </#if>!<@localVarName
index=entry_index/>.${entry.presenceCheckerName}() ) {
        return ${returnType.null};
    }
    </#if>
    <@includeModel object=entry.type.typeBound/> ${entry.name} = <@localVarName
index=entry_index/>.${entry.accessorName};
    <#if !entry.presenceCheckerName?? >
    <#if !entry.type.primitive>
    if ( ${entry.name} == null ) {
        return ${returnType.null};
    }
    </#if>
    </#if>

```

```

<#if lentry_has_next>
return ${entry.name};
</#if>
</#list>
}
<#macro localVarName index><#if index == 0>${sourceParameter.name}<#else>${propertyEntries[index-
1].name}</#if></#macro>
<#macro throws>
<#if (thrownTypes?size > 0)><#t> throws </#if><@compress single_line=true>
<#list thrownTypes as exceptionType>
<@includeModel object=exceptionType/>
<#if exceptionType_has_next>, </#if><#t>
</#list>
</@compress>
</#macro>

```

Found in path(s):

* /opt/cola/permits/1293852855_1648125333.66/0/mapstruct-processor-1-3-1-final-sources-
jar/org/mapstruct/ap/internal/model/NestedPropertyMappingMethod.ftl

1.206 fabric8-::-kubernetes-model-::-rbac

4.13.2

1.206.1 Available under license :

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limitations under the License.

-->

Found in path(s):

* /opt/cola/permits/1357791260_1657281507.6321182/0/kubernetes-model-rbac-4-13-2-sources-jar/META-

INF/maven/io.fabric8/kubernetes-model-rbac/pom.xml

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*

Found in path(s):

* /opt/cola/permits/1357791260_1657281507.6321182/0/kubernetes-model-rbac-4-13-2-sources-jar/manifest.vm

1.207 generex 1.0.2

1.207.1 Available under license :

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<http://www.apache.org/licenses/LICENSE-2.0>

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>
<version>7</version>
</parent>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<maven.pmd.excludes>*/generated-sources/*</maven.pmd.excludes>
</properties>

<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>

<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>
<type>mail</type>
</notifier>
<notifier>
<address>kolesnik.nickolay@gmail.com</address>
<type>mail</type>
</notifier>
</notifiers>
</ciManagement>
```

```
<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
  </snapshotRepository>
  <repository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
</distributionManagement>
```

```
<build>
  <sourceDirectory>src/main/java</sourceDirectory>
  <testSourceDirectory>src/test/java</testSourceDirectory>
  <resources>
    <resource>
      <directory>src</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>target/dependency</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>src/main/resources</directory>
      <includes>
        <include>**/*.properties</include>
      </includes>
    </resource>
  </resources>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-install-plugin</artifactId>
      <version>2.5.2</version>
      <configuration>
        <file>target/${project.artifactId}-${project.version}.jar</file>
        <groupId>${project.groupId}</groupId>
        <artifactId>${project.artifactId}</artifactId>
        <version>${project.version}</version>
        <packaging>maven-plugin</packaging>
      </configuration>
    </plugin>
```

```

<plugin>
<artifactId>maven-compiler-plugin</artifactId>
<version>3.5.1</version>
<configuration>
<source>1.5</source>
<target>1.5</target>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-jar-plugin</artifactId>
<version>3.0.2</version>
<configuration>
<excludes>
<exclude>*</exclude>
<exclude>com/thoughtworks/**/*</exclude>
<exclude>freemarker/**/*</exclude>
<exclude>ftl/**/*</exclude>
<exclude>i18n/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>junit/**/*</exclude>
<exclude>licenses/**/*</exclude>
<exclude>META-INF/maven/**/*</exclude>
<exclude>org/codehaus/**/*</exclude>
<exclude>org/hamcrest/**/*</exclude>
<exclude>org/jbehave/**/*</exclude>
<exclude>org/junit/**/*</exclude>
<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
<exclude>stories/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>tests/**/*</exclude>
</excludes>
<archive>
<manifest>
<addClasspath>>false</addClasspath>
<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
<addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</plugin>
<plugin>
<artifactId>maven-assembly-plugin</artifactId>
<version>2.6</version>

```

```

<configuration>
  <descriptors>
    <descriptor>./sources.xml</descriptor>
  </descriptors>
</configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-dependency-plugin</artifactId>
  <version>2.10</version>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.3</version>
  <configuration>
    <show>private</show>
    <nohelp>>false</nohelp>
    <failOnError>>false</failOnError>
    <sourcepath>src/main/java</sourcepath>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-release-plugin</artifactId>
  <configuration>
    <tagNameFormat>v@{project.version}</tagNameFormat>
    <preparationGoals>package install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>2.8.2</version>
  <configuration>
    <skip>>true</skip>
  </configuration>
</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
  <executions>
    <execution>
      <goals>

```

```
<goal>jar-no-fork</goal>
</goals>
</execution>
</executions>
</plugin>
```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<executions>
<execution>
<id>attach-javadocs</id>
<goals>
<goal>jar</goal>
</goals>
</execution>
</executions>
</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>osrh</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>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludes>
      <exclude>*/HelpMojo.java</exclude>
    </excludes>
    <excludes>*/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
</plugin>
</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>
    <failOnViolation>true</failOnViolation>
    <excludes>
      <exclude>*/test/java/**/*.*.java</excludes>
    </excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
</plugin>
</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>
      </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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```

```
*
```

```
*
```

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```
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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/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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```
/*
```

```
* Copyright 2015 y.mifrah
```

```
*
```

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

```
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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
```

1.208 antlr 4.8-1

1.208.1 Available under license :

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```
/*
* [The "BSD license"]
* Copyright (c) 2012-2016 Terence Parr
* Copyright (c) 2012-2016 Sam Harwell
* All rights reserved.
*/
```

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- * (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 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

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

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

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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/BaseVisitorFile.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/v4ParserException.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/LocalRef.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/GrammarASTAdaptor.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/RuleElementAST.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/OutputModelFactory.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_start.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_start.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/misc/Graph.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/InvokeRule.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/Lexer.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/PlusBlock.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/Python2Target.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/JavaTarget.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_text.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/semantics/SymbolCollector.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/GrammarParserInterpreter.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/parse/ToolANTLRLexer.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/LexerFile.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/LabeledOp.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/target/CSharpTarget.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/TestSetInline.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/TreeView.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/LabelType.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/UnicodeEscapes.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/automata/ATNPrinter.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/DefaultToolListener.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/Attribute.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForOuterMostAlt.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/ast/QuantifierAST.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/semantics/SymbolChecks.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/MatchToken.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/ParserFactory.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/DefaultOutputModelFactory.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/SystemFontMetrics.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_channel.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/automata/ATNFactory.java

* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/decl/AltLabelStructDecl.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/BuildDependencyGenerator.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/GrammarTransformPipeline.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/gui/TreeLayoutAdaptor.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java
* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/semantics/SemanticPipeline.java
* /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
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/tool/Rule.java
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* /opt/cola/permits/1192255793_1629156080.64/0/antlr4-4-8-1-sources-1-jar/org/antlr/v4/codegen/model/ParserFile.java
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* /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
```

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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:{Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
 * Visit a parse tree produced by the {@code <Iname>}

```

```

* labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(Iname)>\}.
<else>
* Visit a parse tree produced by { @link <file.parserName>#<Iname>\}.
<endif>
- Parameters:
- ctx: the parse tree
- returns: the visitor result
*/
<accessLevelOpenOK(file)> func visit<Iname; format="cap">(_ ctx: <file.parserName>.<Iname;
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:{ Iname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation returns the result of calling
 * { @link #visitChildren\} on { @code ctx\}.\</p>
 */
<accessLevelOpenOK(file)> func visit<Iname; format="cap">(_ ctx: <file.parserName>.<Iname;
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:{1 | <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>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(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) ::= "predpred(<_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
```

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```
/*
```

[The "BSD licence"]

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```
*/
```

```
/*
```

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
```

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 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */
```

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

@header {
package organtlr.v4.codegen;
import organtlr.v4.misc.Utils;
import organtlr.v4.codegen.model.*;
import organtlr.v4.codegen.model.decl.*;
import organtlr.v4.tool.*;
import organtlr.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($alternative.altCodeBlock);} )+
)
{
if ( alts.size()==1 && ebnfRoot==null) return alts;
if ( ebnfRoot==null ) {
Somos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
}
else {
Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
Somos = 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

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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.

/*

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```
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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 __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>: { Iname |
```

```
# Enter a parse tree produced by <file.parserName>#<Iname>.
```

```
def enter<Iname>(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\"\

```

```

<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="\n1">
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="\n1">
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="\nел">
  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:{1 | <labelref(1)> =
}><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:{1 | <labelref(1)> = }><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:{1 | <labelref(1)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr><endif>:
<if(m.labels)><m.labels:{1 | <labelref(1)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
self._errHandler.reportMatch(self)

```

```

    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(1)> = }><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>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(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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*/

```

```

/** 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 {

```

/*

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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);
    }
}

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) { }

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) { }

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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*

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```

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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
// grammars are derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grmmars 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 inheritance;
// 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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All rights reserved.
```

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```
*/
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 also 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 accidentally
  // 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 inadvertently 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 believe 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 imbalanced { } 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, delimiters, 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 inadvertently 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 inadvertently 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
```

```
// inadvertently recognize the end of a string or character when the terminating
```

```

// delimiter has been escaped.
//
fragment
ACTION_ESC
: '\\' .
;

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

// -----
// Source spec
//
// A fragment rule for picking up information about an originating
// 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 distinction 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.setCharacterPositionInLine(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 sequence
  ~( '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 infinite 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
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.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: {Iname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void enter<Iname; format="cap">(<file.parserName>.<Iname; format="cap">Context ctx) { \}
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void exit<Iname; format="cap">(<file.parserName>.<Iname; 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:{Iname |
/**
* { @inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* { @link #visitChildren\} on { @code ctx\}.\</p>
*/
    @Override public T visit<Iname; format="cap">(<file.parserName>.<Iname; 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,
_SymbolicNames);

/**
 * @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:{1 | <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:{1 | <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:{1 | <labelref(l)> = }>>_input.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif><expr> ) {
  <if(m.labels)><m.labels:{1 | <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:{1 | <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>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(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"]
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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.
 */

```

```

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:{Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
* Visit a parse tree produced by the `<Iname>` labeled alternative
* in {@see <file.parserName>::<file.visitorLabelRuleNames.(Iname)>()}.
<else>
* Visit a parse tree produced by {@see <file.parserName>::<Iname>()}.
<endif>
*
* @param Context\<Iname; format="cap">Context $context The parse tree.
*
* @return mixed The visitor result.

```

```

*/
public function visit<Iname; format="cap">(Context\<Iname; 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:{ Iname |
/**
 * {@inheritdoc}
 *
 * The default implementation returns the result of calling
 * {@see self::visitChildren()} on `context`.
 */
public function visit<Iname; format="cap">(Context\<Iname; 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
{
    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:{1 | <func.altLabelCtxs.(1)>}; 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">(Context\<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\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,postamble) ::= <<
/**
 * @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) ::= <<

```

```

$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(1)> = }><endif>$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>"
RetValRef(a) ::= "$localContext-><a.name>"
QRetValRef(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><(!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) {
    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

```

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```

/*
 * Copyright (c) 2012-2017 The ANTLR Project. All rights reserved.
 * Use of this file is governed by the BSD 3-clause license that
 * can be found in the LICENSE.txt file in the project root.
 */
/**
 [The "BSD license"]
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```

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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

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/*

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*/

```
/*
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
```

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```
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* [The "BSD license"]
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* All rights reserved.
*
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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.

```
/*
```

```
* [The "BSD license"]
```

```
* Copyright (c) 2012-2016 Terence Parr
```

```
* Copyright (c) 2012-2016 Sam Harwell
```

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* All rights reserved.
```

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*
```

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```

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* modification, are permitted provided that the following conditions
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* are met:
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```
*
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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

```

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```

```

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*

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 */

```
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|\<pi0>>}; 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>];
>>

```

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```

* /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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```

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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 {
```

```
/*
```

```
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```

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```

```
*/
```

```

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 Enter<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.(Iname))>
/// Exit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
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> { Iname |
    /// \<summary>
    <if(file.visitorLabelRuleNames.(Iname))>
    /// Visit a parse tree produced by the \<c><Iname>\</c>
    /// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>">.
    <else>
    /// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>">.
    <endif>
    /// \</summary>
    /// \<param name="context">The parse tree.\</param>
    /// \<return>The visitor result.\</return>
    Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; 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> { Iname |
    /// \<summary>
    <if(file.visitorLabelRuleNames.(Iname))>
    /// Visit a parse tree produced by the \<c><Iname>\</c>
    /// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>">.
    <else>

```

```

/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<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<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
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) ::= <<
<types:{t | case <tokenType.(t)>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>; <if(r.labels)><r.labels:{1 | <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:{1 | <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:{1 | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif><(<expr>) ) {
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
ErrorHandler.ReportMatch(this);
Consume();
}
>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <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)>"
RetValRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValRef(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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```
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```
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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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```
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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>: {Iname |
```

```
    # Enter a parse tree produced by <file.parserName>#<Iname>.
```

```
    def enter<Iname; format="cap">(self, ctx:<file.parserName>.<Iname; format="cap">Context):
```

```
        pass
```

```
    # Exit a parse tree produced by <file.parserName>#<Iname>.
```

```
    def exit<Iname; format="cap">(self, ctx:<file.parserName>.<Iname; 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(sembredFuncs)>

def sembred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):

if self._predicates == None:

self._predicates = dict()

<parser.sembredFuncs.values:{f |

self._predicates[<f.ruleIndex>] = self.<f.name>_sembred}; 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)

<sembredFuncs.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="\n">
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="\n">
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="\nел">
  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:{1 | <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:{1 | <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:{1 | <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:{1 | <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:{1 | <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>"
```

```
RetValRef(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

```

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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
```

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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.
*/

```

```

/** 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(semanticPredFuncs)>
<parser.name>.prototype.semanticPred = function(localctx, ruleIndex, predIndex) {
  switch(ruleIndex) {
    <parser.semanticPredFuncs.values:{f | case <f.ruleIndex>:
      return this.<f.name>_semanticPred(localctx, predIndex);}; separator="\n">
    default:
      throw "No predicate with index:" + ruleIndex;
  }
};

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

exports.<parser.name> = <parser.name>;

>>

dumpActions(recog, argFuncs, actionFuncs, semanticPredFuncs) ::= <<
<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(semanticPredFuncs)>
<lexer.name>.prototype.semanticPred = function(localctx, ruleIndex, predIndex) {
  switch (ruleIndex) {
    <recog.semanticPredFuncs.values:{f} case <f.ruleIndex>:
      return this.<f.name>_semanticPred(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>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(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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```

```
/*
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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
```

1.209 reactor-test-support 3.3.14.RELEASE

1.209.1 Available under license :

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```

Found in path(s):

```
* /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-
jar/reactor/test/DefaultStepVerifierBuilder.java
```

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- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/MessageFormatter.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/util/TestLogger.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/publisher/ColdTestPublisher.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/util/RaceTestUtils.java

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Found in path(s):

- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/publisher/DefaultTestPublisher.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/StepVerifierExtensions.kt
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/publisher/TestPublisher.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/scheduler/VirtualTimeScheduler.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/StepVerifierOptions.java

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- */

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- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/publisher/PublisherProbe.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/scheduler/package-info.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/publisher/package-info.java
- * /opt/cola/permits/1357791428_1657107155.8517356/0/reactor-test-3-3-14-release-sources-jar/reactor/test/package-info.java

1.210 hikaricp HikariCP-3.4.5

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1.211 spring-data-jpa 2.3.7.RELEASE

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1.212 guava v30.0

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Doug Lea

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1.213 jackson-xc 2.11.4

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1.214 lucene-sandbox 7.4.0

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1.216 springdoc-openapi-webflux-core 1.4.3

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* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/api/MultipleOpenApiResource.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/visitor/RouterFunctionVisitor.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/RequestBuilder.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/api/OpenApiResource.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/SpringDocWebFluxConfiguration.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/converters/WebFluxSupportConverter.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/MultipleOpenApiWebFluxConfiguration.java
* /opt/cola/permits/1357790750_1657088917.3341238/0/springdoc-openapi-webflux-core-1-4-3-sources-
jar/org/springdoc/webflux/core/WebFluxActuatorProvider.java
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1.217 fabric8-::-kubernetes-model-::- extensions 4.13.2

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* /opt/cola/permits/1357790738_1657281753.7708328/0/kubernetes-model-extensions-4-13-2-sources-jar/manifest.vm

1.218 json-unit-core 2.12.0

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* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-
jar/net/javacrumbs/jsonunit/core/internal/ComparisonMatrix.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-
jar/net/javacrumbs/jsonunit/core/internal/JohnzonNodeFactory.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-
jar/net/javacrumbs/jsonunit/core/internal/matchers/InternalMatcher.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-
jar/net/javacrumbs/jsonunit/core/internal/ArrayUtils.java
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- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonSource.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Path.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/DifferenceImpl.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/Matchers.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/Option.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Context.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonAssertError.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/listener/DifferenceContext.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Differences.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Diff.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/NodeWrapper.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Jackson2NodeFactory.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/ExceptionUtils.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Utils.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonOrgNodeFactory.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/ArrayComparison.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/MoshiNodeFactory.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/listener/Difference.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonUnitLogger.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/DifferenceContextImpl.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/PathMatcher.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/util/ResourceUtils.java
- * /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/providers/Jackson2ObjectMapperProvider.java

* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Node.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonDifference.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/NodeBuilder.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/Options.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/AbstractNode.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/ClassUtils.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/NodeFactory.java
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* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/ParametrizedMatcher.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/AbstractNodeFactory.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/GenericNodeBuilder.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/JsonUtils.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/listener/DifferenceListener.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/Configuration.java
* /opt/cola/permits/1357791127_1657088853.5061421/0/json-unit-core-2-12-0-sources-1-jar/net/javacrumbs/jsonunit/core/internal/GsonNodeFactory.java

1.219 slf4j-api-module 1.7.30

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1.220 testcontainers-::-localstack 1.15.0

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1.221 shedlock-provider-hazelcast 4.27.0

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```

Found in path(s):

* /opt/cola/permits/1357790660_1657089001.29391/0/shedlock-provider-hazelcast-4-27-0-sources-jar/net/javacrumbs/shedlock/provider/hazelcast/HazelcastLockProvider.java

* /opt/cola/permits/1357790660_1657089001.29391/0/shedlock-provider-hazelcast-4-27-0-sources-jar/net/javacrumbs/shedlock/provider/hazelcast/HazelcastSimpleLock.java

* /opt/cola/permits/1357790660_1657089001.29391/0/shedlock-provider-hazelcast-4-27-0-sources-jar/net/javacrumbs/shedlock/provider/hazelcast/HazelcastLock.java

1.222 swagger-ui 3.28.0

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1.223 handlebars-helpers 4.2.0

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Found in path(s):

* /opt/cola/permits/1357791164_1657089018.8877378/0/handlebars-helpers-4-2-0-sources-1-

```
jar/com/github/jknack/handlebars/helper/AssignHelper.java
* /opt/cola/permits/1357791164_1657089018.8877378/0/handlebars-helpers-4-2-0-sources-1-
jar/com/github/jknack/handlebars/helper/NumberHelper.java
* /opt/cola/permits/1357791164_1657089018.8877378/0/handlebars-helpers-4-2-0-sources-1-
jar/com/github/jknack/handlebars/helper/IncludeHelper.java
* /opt/cola/permits/1357791164_1657089018.8877378/0/handlebars-helpers-4-2-0-sources-1-
jar/com/github/jknack/handlebars/helper/JodaHelper.java
```

1.224 netty/transport/classes/epoll

4.1.75.Final

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```

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```
* /opt/cola/permits/1337070144_1654204780.709316/0/netty-transport-classes-epoll-4-1-75-final-jar/META-
INF/maven/io.netty/netty-transport-classes-epoll/pom.xml
```

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Manifest-Version: 1.0

Implementation-Title: Netty/Transport/Classes/Epoll

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name: io.netty.transport.classes.epoll

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.transport-classes-epoll

Implementation-Version: 4.1.75.Final

Built-By: root

Bnd-LastModified: 1646908346476

Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: io.netty.buffer;version="[4.1,5)",io.netty.channel,io.netty.channel.socket;version="[4.1,5)",io.netty.channel.unix;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.collection;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Export-Package: io.netty.channel.epoll;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.socket,io.netty.channel.unix,io.netty.util,io.netty.util.concurrent";version="4.1.75"
Bundle-Name: Netty/Transport/Classes/Epoll
Bundle-Version: 4.1.75.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_322
Implementation-URL: https://netty.io/netty-transport-classes-epoll/

Found in path(s):

* /opt/cola/permits/1337070144_1654204780.709316/0/netty-transport-classes-epoll-4-1-75-final-jar/META-INF/MANIFEST.MF

1.225 netty-reactive-streams-http-support

2.0.4

1.225.1 Available under license :

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Manifest-Version: 1.0
Bundle-Description: Reactive streams implementation for Netty.
Automatic-Module-Name: com.typesafe.netty.http
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-SymbolicName: com.typesafe.netty.reactive-streams-http
Built-By: marcospereira
Bnd-LastModified: 1574135179373
Bundle-ManifestVersion: 2
Bundle-DocURL: http://typesafe.com/
Bundle-Vendor: Typesafe
Import-Package: com.typesafe.netty;version="[2.0,3)",io.netty.buffer;version="[4.1,5)",io.netty.channel;version="[4.1,5)",io.netty.handler.

codec;version="[4.1,5)",io.netty.handler.codec.http;version="[4.1,5)"
,io.netty.handler.codec.http.websocketx;version="[4.1,5)",io.netty.ut
il;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",org.r
eactivestreams;version="[1.0,2)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-3.5.0.201709291849
Export-Package: com.typesafe.netty.http;uses:="io.netty.channel,io.net
ty.handler.codec.http,io.netty.handler.codec.http.websocketx,org.reac
tivistreams";version="2.0.4"
Bundle-Name: Netty Reactive Streams HTTP support
Bundle-Version: 2.0.4
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_222

Found in path(s):

* /opt/cola/permits/1337069368_1654205095.0599785/0/netty-reactive-streams-http-2-0-4-jar/META-
INF/MANIFEST.MF

1.226 joda-time 2.3

1.226.1 Available under license :

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1.227 aspectj-weaver 1.9.6

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- * Alexandre Vasseur initial implementation
- * Adrian Colyer refactoring for traversal and grouping by kind

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Found in path(s):

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- * Andy Clement IBM initial implementation 30-May-2004

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/Advice.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/TypePatternQuestions.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/ConcreteCflowPointcut.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/NewConstructorTypeMunger.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/Checker.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ast/Not.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/PrivilegedAccessMunger.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/WildTypePattern.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/ThisOrTargetPointcut.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/WithincodePointcut.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/NewParentTypeMunger.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ast/And.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/Declare.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/IntMap.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelCflowStackFieldAdder.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/KindedPointcut.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/Utility.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/PerClause.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/PerObject.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelRenderer.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelVar.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/Pointcut.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/Iterators.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/model/AsmRelationshipProvider.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AjcMemberMaker.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AjAttribute.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/PatternNode.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ast/Expr.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/ModifiersPattern.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/NewMethodTypeMunger.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/UnwovenClassFile.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ResolvedTypeMunger.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelTypeMunger.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/TypeFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/TypeVariable.java
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*/opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/EllipsisTypePattern.java

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* John Kew (vmware) initial implementation

* Lyor Goldstein (vmware) add support for weaved class being re-defined

Found in path(s):

*/opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/AbstractCacheBacking.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/DefaultFileCacheBacking.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/CacheBacking.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/WeavedClassCache.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/CachedClassReference.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/AbstractIndexedFileCacheBacking.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/GeneratedCachedClassHandler.java
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*   AndyClement extracted as self contained type from Lint type (4-Aug-06)  
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*   Andy Clement start of generics upgrade...  
*   Adrian Colyer - overhaul  
* *****
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AdviceKind.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelClassWeaver.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/AspectJElementHierarchy.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/weaver/VersionedDataInputStream.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/CacheFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/DefaultCacheKeyResolver.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/CacheKeyResolver.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/cache/DefaultCacheFactory.java
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- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/AtAjAttributes.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/annotation/Before.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/annotation/Aspect.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelPerClauseAspectAdder.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/annotation/After.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/annotation/AfterThrowing.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/ProceedingJoinPoint.java
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*

* Contributors:

- * Abraham Nevado - Lucierna initial implementation

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Found in path(s):

- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/definition/LightXMLParser.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/InitializerSignature.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/annotation/ajcDeclareSoft.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/InterTypeFieldDeclaration.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/Pointcut.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/JoinPointMatchImpl.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/InterTypeConstructorDeclaration.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/annotation/DeclareError.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/reflect/StringToType.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/ContextBasedMatcher.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-

jar/org/aspectj/weaver/patterns/TypeVariablePattern.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/reflect/ReflectionShadow.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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jar/org/aspectj/lang/reflect/DeclareSoft.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/reflect/StandardShadow.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/lang/reflect/NoSuchPointcutException.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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jar/org/aspectj/lang/reflect/DeclareParents.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/lang/reflect/DeclarePrecedence.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/lang/reflect/NoSuchAdviceException.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/lang/reflect/Advice.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/internal/lang/reflect/InterTypeDeclarationImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/reflect/Java15GenericSignatureInformationProvider.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/MissingResolvedTypeWithKnownSignature.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/lang/annotation/DeclareWarning.java
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jar/org/aspectj/internal/lang/reflect/PointcutImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/internal/lang/reflect/DeclareAnnotationImpl.java
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jar/org/aspectj/weaver/bcel/BcelGenericSignatureToTypeXConverter.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/annotation/ajcITD.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/PointcutParameterImpl.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/AjType.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/DeclareAnnotation.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/context/ContextToken.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/ReflectionVar.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/Java15ReflectionBasedReferenceTypeDelegate.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/GenericSignatureInformationProvider.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/internal/tools/MatchingContextBasedTest.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/PointcutParameter.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/context/ContextFormatter.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/AdviceKind.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/PointcutExpression.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegateFactory.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/DefaultMatchingContext.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/PerClauseKind.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/TypeVariablePatternList.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/UnsupportedPointcutPrimitiveException.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AbstractPatternNodeVisitor.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/MatchingContext.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/ShadowMatchImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/internal/lang/reflect/AdviceImpl.java
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* Contributors:
* Matthew Webster - initial implementation

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/TraceFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/Jdk14Trace.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/JRocketAgent.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/DefaultTrace.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/tools/Trace.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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jar/org/aspectj/bridge/Constants.java
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* Contributors:
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*   PARC           initial implementation
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*   Alexandre Vasseur  rearchitected for #75442 finer grained matching
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/PerObjectInterfaceTypeMunger.java
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* Contributors:
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```
*   Abraham Nevado (lucierna) initial implementation
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/tools/cache/SimpleCacheFactory.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/tools/cache/SimpleCache.java
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* Contributors:

* IBM Corporation - initial API and implementation

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* Contributors:

* Andy Clement initial implementation

* Heavily based on LocalVariableTable

*****/

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/LocalVariableTypeTable.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/PerThisOrTargetPointcutVisitor.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/DefaultMessageHandler.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/ConcreteAspectCodeGen.java

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jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisParamAnnos.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java
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jar/org/aspectj/weaver/bcel/LazyClassGen.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/TemporaryTypeMunger.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/StandardAnnotation.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/IUnwovenClassFile.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AbstractAnnotationAJ.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/EnclosingMethod.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/AnnotationDefault.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/runtime/internal/CFlowCounter.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl11.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/CompressingDataOutputStream.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelConstantPoolReader.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelConstantPoolWriter.java

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- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AnnotationPatternList.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/BindingPattern.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AnnotationPointcut.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/WildAnnotationTypePattern.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/internal/tools/StandardPointcutExpressionImpl.java
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- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AnnotationTypePattern.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/WithinCodeAnnotationPointcut.java
- * /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/tools/TypePatternMatcher.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/AnnotatedElement.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/patterns/PointcutRewriter.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* Abraham Nevado new factory methods for collapsed SJPs
* Andy Clement new factory methods that rely on LDC <class>
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/MemberUtils.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-

jar/org/aspectj/weaver/bcel/asm/AsmDetector.java

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`/opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/Java15AnnotationFinder.java`

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`/opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/tools/PointcutParser.java`

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`/opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/Constants.java`

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 *   John Kew (vmware)      initial implementation
 *   Lyor Goldstein (vmware) add support for weaved class being re-defined
 */
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```
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/tools/cache/CachedClassEntry.java
```

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```
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/patterns/BindingTypePattern.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/patterns/TypePattern.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ConstantPoolReader.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/TypeAnnotationAccessVar.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/HandleProviderDelimiter.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/model/AsmRelationshipUtils.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/CharOperation.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/NameConvertor.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/JDTLikeHandleProvider.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/IHierarchy.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/internal/RelationshipMap.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/HierarchyWalker.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/ReflectionWorld.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/asm/StackMapAdder.java

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* generic signature update Adrian Colyer

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/loadtime/WeavingURLClassLoader.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/weaver/bcel/AnnotationAccessVar.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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jar/org/aspectj/weaver/bcel/BcelAdvice.java
```

```
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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jar/org/aspectj/weaver/bcel/BcelShadow.java
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jar/org/aspectj/weaver/BoundedReferenceType.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/HasMemberTypePattern.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java

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jar/org/aspectj/weaver/ReferenceType.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/weaver/AbstractReferenceTypeDelegate.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/generic/LocalVariableTag.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/ClassPreProcessorAgentAdapter.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounterImpl11.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackImpl11.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AndSignaturePattern.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AbstractSignaturePattern.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/NotSignaturePattern.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/Aj.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/definition/Definition.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/Agent.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/loadtime/Options.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/weaver/bcel/ExtensibleURLClassLoader.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/lang/reflect/UnlockSignature.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/runtime/reflect/LockSignatureImpl.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/lang/reflect/LockSignature.java  
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/IElementHandleProvider.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/IRelationship.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/Repository.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/ReturnaddressType.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/StackMapType.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/LOOKUPSWITCH.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ConstantCP.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ClassParser.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/ClassGenException.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstructionCP.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/Constants.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/BranchHandle.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/FieldGen.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Unknown.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ConstantDouble.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/LocalVariableGen.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InvokeDynamic.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/util/Repository.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/JavaClass.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/CodeExceptionGen.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-

jar/org/aspectj/apache/bcel/util/ClassLoaderRepository.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstructionHandle.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ConstantInterfaceMethodref.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/ArrayType.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Field.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstVisitor.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/StackMapEntry.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstructionFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Code.java
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jar/org/aspectj/apache/bcel/generic/InvokeInstruction.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/LineNumberGen.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/util/ClassLoaderReference.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/InnerClass.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/BootstrapMethods.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/SourceFile.java
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jar/org/aspectj/apache/bcel/classfile/NestHost.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ConstantClass.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Method.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Node.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/ClassGen.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstructionSelect.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Utility.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/INVOKEINTERFACE.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ClassVisitor.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/FieldInstruction.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/ExceptionTable.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/CodeException.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/LocalVariable.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/ReferenceType.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/util/ByteSequence.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-

jar/org/aspectj/apache/bcel/util/DefaultClassLoaderReference.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Modifiers.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/classfile/Attribute.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/util/SyntheticRepository.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/RET.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-
jar/org/aspectj/apache/bcel/generic/InstructionTargeter.java
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* initial implementation      Andy Clement
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/reflect/DeferredResolvedPointcutDefinition.java

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* Contributors:
* Mik Kersten initial implementation
* Andy Clement, IBM, SpringSource Extensions for better IDE representation
* *****/

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/AnnotationElementValue.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/ClassElementValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisAnnos.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/EnumElementValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisParamAnnos.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/SimpleElementValue.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ArrayReferenceType.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelWeakClassLoaderReference.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/BcelWeavingSupport.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/WildcardedUnresolvedType.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/WeakClassLoaderReference.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/ExactAnnotationFieldTypePattern.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/IWeavingSupport.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/bcel/AnnotationAccessFieldVar.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/EnumAnnotationValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ArrayAnnotationValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/ClassAnnotationValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AnnotationValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/asm/IModelFilter.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/SimpleAnnotationValue.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/IVerificationRequired.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/AnnotationNameValuePair.java

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* Trask Stanalker #373195

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/weaver/patterns/AnyTypePattern.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-  
jar/org/aspectj/weaver/IEclipseSourceContext.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/apache/bcel/classfile/annotation/TypeAnnotationGen.java

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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/MessageUtil.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/IMessage.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/internal/PerObjectMap.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/reflect/StringMaker.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/AdviceSignature.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/ReflectionFactory.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/Message.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/MemberSignature.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/MessageWriter.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/ConstructorSignature.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/AbortException.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/util/PartialOrder.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/reflect/FieldSignatureImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/ICommand.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/MessageHandler.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/SourceLocation.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/reflect/CodeSignature.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/reflect/AdviceSignatureImpl.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/bridge/ISourceLocation.java

* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/internal/CFlowStack.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/lang/Signature.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/util/FuzzyBoolean.java
* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/reflect/ConstructorSignatureImpl.java
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* /opt/cola/permits/1348319572_1655810521.0648062/0/aspectjweaver-1-9-6-sources-2-jar/org/aspectj/runtime/reflect/InitializerSignatureImpl.java
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* Lyor Goldstein (vmware) add support for weaved class being re-defined

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1.228 netty-transport-native-unix-common

4.1.75.Final

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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Errors.java
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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainSocketChannel.java
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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/UnixChannel.java
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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_socket.h
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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/NativeInetAddress.java
- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/FileDescriptor.java
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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_filedescriptor.h

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1.229 hibernate-validator 6.1.7.Final

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1.230 asm-commons 7.2

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1.231 netty/resolver/dns/classes/macOS

4.1.75.Final

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* /opt/cola/permits/1337069746_1654119271.7835605/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-4-jar/io/netty/resolver/dns/macos/DnsResolver.java

1.232 assertj-fluent-assertions 3.16.1

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*/
/**

* Base class for all implementations of assertions for { @link Double}s.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"

* for more details.

*

* @author Drummond Dawson

* @author Yvonne Wang

* @author David DIDIER

* @author Alex Ruiz

* @author Ansgar Konermann

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author Nicolas François

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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*/

/**

* Base class for all implementations of assertions for { @link Byte}s.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

```
*      target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*      for more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
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```

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```
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*/
```

```
/**
* Base class for all implementations of assertions for { @link Long}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*      target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*      for more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
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* @author Nicolas François
```

*/

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*/

/**

* Base class for implementations of `{ @link ObjectEnumerableAssert }` whose actual value type is

* `{ @link Collection }`.

*

* @param <SELF> the "self" type of this assertion class. Please read ["Emulating 'self types' using Java Generics to simplify fluent API](http://bit.ly/1IZIRcY)

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API](http://bit.ly/1IZIRcY)

implementation

* for more details.

* @param <ACTUAL> the type of the "actual" value.

* @param <ELEMENT> the type of elements of the "actual" value.

* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.

*

* @author Yvonne Wang

* @author Alex Ruiz

* @author Mathieu Baechler

* @author Joel Costigliola

* @author Maciej Jaskowski

* @author Nicolas François

* @author Mikhail Mazursky

* @author Mateusz Haligowski

* @author Lovro Pandzic

* @author Marko Bekhta

*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractIterableAssert.java

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```

```
*/
/**
 * Base class for all implementations of assertions for { @link Map}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 implementation</a>&quot;
 *     for more details.
 * @param <ACTUAL> the type of the "actual" value.
 * @param <K> the type of keys in the map.
 * @param <V> the type of values in the map.
 *
 * @author David DIDIER
 * @author Yvonne Wang
 * @author Alex Ruiz
 * @author Mikhail Mazursky
 * @author Nicolas François
 * @author dorzey
 * @author Filip Hrisafov
 */
```

Found in path(s):

```
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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```

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*/
/**

* Base class for all implementations of assertions for { @link Integer}s.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
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*

* @author Drummond Dawson

* @author Yvonne Wang

* @author David DIDIER

* @author Ansgar Konermann

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*/

/**

* Assertions methods applicable to groups of objects (e.g. arrays or collections.)

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

```
*      target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*      for more details.
* @param <ELEMENT> the type of elements of the "actual" value.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Nicolas François
* @author Florent Biville
*/
```

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```

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*/
```

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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```

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```
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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jar/org/assertj/core/error/ShouldBeLowerCase.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotBeOfClassIn.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/Floats.java
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jar/org/assertj/core/error/ShouldNotContainSequence.java
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jar/org/assertj/core/api/SoftAssertionsStatement.java
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jar/org/assertj/core/api/LocalDateTimeAssert.java
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jar/org/assertj/core/api/ProxyableObjectAssert.java
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jar/org/assertj/core/error/ShouldExist.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldContainOnlyDigits.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/InputStreams.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeInSameMonth.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ElementsShouldBeExactly.java
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jar/org/assertj/core/error/ShouldBeInSameHour.java
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jar/org/assertj/core/util/CheckReturnValue.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AtomicIntegerAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/diff/myers/PathNode.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/ProxyableObjectArrayAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AutoCloseableBDDSoftAssertions.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveSameHourAs.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractPredicateAssert.java
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jar/org/assertj/core/internal/Iterables.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AssertJProxySetup.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/DescribableComparator.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractOptionalIntAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeLessOrEqual.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/exception/PathsException.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveSameSizeAs.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/groups/Tuple.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/future/ShouldBeCancelled.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractTemporalAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/ObjectArrayElementComparisonStrategy.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/URLs.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/Maps.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/CharSequenceAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/ByteAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/Java6BDDSoftAssertions.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/introspection/IntrospectionError.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/MapAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveRootCause.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeAfter.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeUpperCase.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractLocalDateAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractEnumerableAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/diff/InsertDelta.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/OffsetDateTimeByInstantComparator.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-

jar/org/assertj/core/internal/Futures.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveAtLeastOneElementOfType.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotBeEqualNormalizingWhitespace.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractDurationAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeToday.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/AssertJMultipleFailuresError.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/AnyElementShouldMatch.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/future/ShouldBeDone.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/OptionalShouldContain.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/OptionalShouldBePresent.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/CharArrays.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveTime.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/diff/ChangeDelta.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/IteratorAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/Java6SoftAssertions.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/LongAdderAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeInSameDay.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/IgnoringFieldsComparator.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHaveName.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldStartWith.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractPathAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/StandardSoftAssertionsProvider.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-

jar/org/assertj/core/error/ShouldNotHaveThrown.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotContainKey.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/LocalDateAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotBeIn.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldHave.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotBeBetween.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/DoubleArrayAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AtomicLongArrayAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/condition/Negative.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotBeExactlyInstanceOf.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ElementsShouldMatch.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/MapSizeAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/IterableAssert.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/presentation/Representation.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/JUnitJupiterBDDSoftAssertions.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/future/ShouldHaveFailed.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/util/introspection/Introspection.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AutoCloseableSoftAssertions.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/internal/LongArrays.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/uri/ShouldHaveFragment.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldBeWritable.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldNotContainAnyWhitespaces.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/error/ShouldContainSubsequenceOfCharSequence.java
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/extractor/ByNameMultipleExtractor.java

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 */
```

```
/**
 * Base class for all implementations of assertions for { @link InputStream}s.
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 implementation</a>&quot;
 *     for more details.
 * @param <ACTUAL> the type of the "actual" value.
 *
 * @author Matthieu Baechler
 * @author Mikhail Mazursky
 */
```

Found in path(s):

```
* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractInputStreamAssert.java
```

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 */
```

```
* Base class for all implementations of assertions for { @link Short}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
*
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
*/
```

Found in path(s):

```
*/opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractShortAssert.java
```

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*/
/**
```

```
* Base class for all implementations of assertions for { @link File}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
*
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Olivier Michallat
* @author Olivier Demeijer
```

* @author Mikhail Mazursky
* @author Jean-Christophe Gay
* @author Valeriy Vyrva
* @author Nikolaos Georgiou
*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractFileAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link Date }s.

* <p>

* Note that assertions with date parameter comes with two flavor, one is obviously a { @link Date } and the other is a { @link String } representing a Date.

* For the latter, the default format follows ISO 8901 : "yyyy-MM-dd", user can override it with a custom format by calling { @link #withDateFormat(DateFormat) }.

* The user custom format will then be used for all next Date assertions (i.e not limited to the current assertion) in the test suite.

* To turn back to default format, simply call { @link #withDefaultDateFormatsOnly() }.

*

* @param <SELF> the "self" type of this assertion class. Please read "

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation" for more details.](http://bit.ly/1IZIRcY)

* @author Tomasz Nurkiewicz (thanks for giving assertions idea)

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author William Delanoue

* @author Michal Kordas

* @author Eddú Meléndez

*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractDateAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link Float}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`

implementation"

* `for more details.`

*

* @author Drummond Dawson

* @author Yvonne Wang

* @author Alex Ruiz

* @author Ansgar Konermann

* @author Mikhail Mazursky

* @author Nicolas François

*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractFloatAssert.java

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*/

/**

* Base class for all assertions.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"

* for more details.

* @param <ACTUAL> the type of the "actual" value.

*

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author Nicolas François

*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link LongAdder}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"

* for more details.

*

* @author Grzegorz Piwowarek

* @since 3.16.0

*/

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractLongAdderAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link BigDecimal}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API](#)

implementation"

* for more details.

*

* @author Drummond Dawson

* @author David DIDIER

* @author Ted M. Young

* @author Yvonne Wang

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

*/

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* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractBigDecimalAssert.java

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*/
/**
* Base class for all implementations of assertions for { @link Class }es.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
*
* @author William Delanoue
* @author Mikhail Mazursky
*/

```

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```

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractClassAssert.java

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*/
/**
* Base class for all implementations of assertions for { @link Object }s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.

```

* @param <ACTUAL> the type of the "actual" value.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Libor Ondrusek
*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractObjectAssert.java
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*/
/**
* Base class for all implementations of assertions for { @link Character}s.
*
* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)
* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API`
implementation"
* for more details.
*
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractCharacterAssert.java

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 */
/**
 * Base class for all implementations of assertions for {@link Throwable}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 * target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 implementation</a>&quot;
 * for more details.
 * @param <ACTUAL> the type of the "actual" value.
 *
 * @author David DIDIER
 * @author Alex Ruiz
 * @author Joel Costigliola
 * @author Mikhail Mazursky
 * @author Jack Gough
 * @author Mike Gilchrist
 */
```

Found in path(s):

```
*/opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractThrowableAssert.java
```

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```

```

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* Copyright 2012-2020 the original author or authors.
*/
/**
* Base class for all implementations of assertions for { @link List}s.
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @author Yvonne Wang
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Jacek Jackowiak
*/

```

Found in path(s):

```

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-
jar/org/assertj/core/api/AbstractListAssert.java

```

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```

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*
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*/
/**
* Base class for all implementations of assertions for { @code CharSequence}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.

```

*
* @author Yvonne Wang
* @author David DIDIER
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas Francois
* @author Daniel Weber
*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractCharSequenceAssert.java
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*
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*/
/**
* Base class for all implementations of assertions for { @link Boolean}s.
*
* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)
* `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation`
* `for more details.`
*
* @author Alex Ruiz
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Mikhail Mazursky
*/

Found in path(s):

* /opt/cola/permits/1357790674_1657192561.9783473/0/assertj-core-3-16-1-sources-jar/org/assertj/core/api/AbstractBooleanAssert.java

1.233 shedlock-spring 4.27.0

1.233.1 Available under license :

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 */
```

Found in path(s):

```
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/StringToDurationConverter.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/annotation/EnableSchedulerLock.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/AbstractLockConfiguration.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/MethodProxyScheduledLockAdvisor.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/SchedulerProxyScheduledLockAdvisor.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/SpringLockConfigurationExtractor.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/SchedulerProxyLockConfiguration.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/RegisterDefaultTaskSchedulerPostProcessor.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/ExtendedLockConfigurationExtractor.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/LockingNotSupportedException.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/MethodProxyLockConfiguration.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/SchedulerLockConfigurationSelector.java
```

```
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/aop/LockConfigurationExtractorConfiguration.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/LockableTaskScheduler.java
* /opt/cola/permits/1357791248_1657088953.3170662/0/shedlock-spring-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/spring/annotation/SchedulerLock.java
```

1.234 swagger-models 2.1.3

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```
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/media/BooleanSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/info/Info.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/media/XML.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/Operation.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/info/License.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/parameters/QueryParameter.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/links/Link.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/examples/Example.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-
jar/io/swagger/v3/oas/models/media/EncodingProperty.java
```

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/ExternalDocumentation.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/Schema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/parameters/HeaderParameter.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/UUIDSchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/parameters/PathParameter.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/parameters/CookieParameter.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/OpenAPI.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/servers/Server.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/PathItem.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/headers/Header.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/security/OAuthFlow.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/MediaType.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/DateTimeSchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/Components.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/PasswordSchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/parameters/RequestBody.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/DateSchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/security/SecurityRequirement.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/servers/ServerVariable.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/BinarySchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/servers/ServerVariables.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/ArraySchema.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/info/Contact.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/tags/Tag.java

* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/parameters/Parameter.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/responses/ApiResponses.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/Paths.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/ComposedSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/Encoding.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/EmailSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/Content.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/security/Scopes.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/links/LinkParameter.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/responses/ApiResponse.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/ByteArraySchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/NumberSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/StringSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/IntegerSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/security/SecurityScheme.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/security/OAuthFlows.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/ObjectSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/callbacks/Callback.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/MapSchema.java
* /opt/cola/permits/1357791224_1657088826.3965118/0/swagger-models-2-1-3-sources-1-jar/io/swagger/v3/oas/models/media/FileSchema.java

1.235 xmlunit-xmlunit-core 2.7.0

1.235.1 Available under license :

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Manifest-Version: 1.0

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>
Bundle-SymbolicName: org.xmlunit.xmlunit-core
Built-By: stefan
X-Git-Hash: 66e7d48d492902876f0ef531a9107ff199965c58 (Branch master)
Bnd-LastModified: 1589297289905
Specification-Title: org.xmlunit.xmlunit-core
Implementation-Vendor-Id: org.xmlunit
Bundle-DocURL: <https://www.xmlunit.org/>
Import-Package: javax.xml.bind,javax.xml.bind.annotation,javax.xml.bind.util,javax.xml.namespace,javax.xml.parsers,javax.xml.transform,javax.xml.transform.dom,javax.xml.transform.sax,javax.xml.transform.stream,javax.xml.validation,javax.xml.xpath,org.w3c.dom,org.xml.sax,org.xml.sax.helpers
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Export-Package: org.xmlunit;version="2.7.0",org.xmlunit.builder;version="2.7.0",org.xmlunit.diff;version="2.7.0",org.xmlunit.input;version="2.7.0",org.xmlunit.transform;version="2.7.0",org.xmlunit.util;version="2.7.0",org.xmlunit.validation;version="2.7.0",org.xmlunit.xpath;version="2.7.0"
Bundle-Name: org.xmlunit.xmlunit-core
Implementation-Title: org.xmlunit.xmlunit-core
Bundle-Description: XMLUnit for Java
Automatic-Module-Name: org.xmlunit
Implementation-Version: 2.7.0
Specification-Vendor: XMLUnit
Bundle-ManifestVersion: 2
Bundle-Vendor: XMLUnit
Tool: Bnd-3.2.0.201605172007
Implementation-Vendor: XMLUnit
Bundle-Version: 2.7.0
X-Compile-Target-JDK: 1.6
build-time: 2020-05-12T15:27:33Z
X-Compile-Source-JDK: 1.6
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Specification-Version: 2.7
Implementation-URL: <https://www.xmlunit.org/>

Found in path(s):

* /opt/cola/permits/1174282956_1656591296.1679847/0/xmlunit-core-2-7-0-jar/META-INF/MANIFEST.MF

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* /opt/cola/permits/1174282956_1656591296.1679847/0/xmlunit-core-2-7-0-jar/META-INF/maven/org.xmlunit/xmlunit-core/pom.xml

1.236 spring-ldap 2.3.3.RELEASE

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1.237 aws-java-sdk-regions 2.15.73

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1.238 docker-java-transport-zero-dep 3.2.5

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1.239 json-path 2.4.0

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1.240 springdoc-openapi-common 1.4.3

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1.241 fabric8-::-kubernetes-model-::- autoscaling 4.13.2

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1.242 byte-buddy 1.10.20

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1.243 junit-jupiter-junit-jupiter-params 5.6.3

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1.244 swagger-integration 2.1.3

1.244.1 Available under license :

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1.245 fabric8-::-kubernetes-model-::-metrics

4.13.2

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INF/maven/io.fabric8/kubernetes-model-metrics/pom.xml

1.246 fabric8-:::-kubernetes-model-:::- coordination 4.13.2

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1.247 asm 7.2

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1.248 classgraph 4.8.69

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1.249 spring-boot-validation-starter

2.3.9.RELEASE

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 *
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param javaBeanExecutable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */
```

Found in path(s):

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-mapping-1.1.xsd

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-configuration-2.0.xsd

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-configuration-1.0.xsd

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-mapping-1.0.xsd

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-mapping-2.0.xsd

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/META-INF/validation-configuration-1.1.xsd

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/**

* <p>

* A method-level constraint, that evaluates a script expression against the

* annotated method or constructor. This constraint can be used to implement

* validation routines that depend on several parameters of the annotated

* executable.

* </p>

* <p>

* Script expressions can be written in any scripting or expression language,
* for which a [JSR 223](http://jcp.org/en/jsr/detail?id=223)
* ("Scripting for the JavaTM Platform") compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* { [@link javax.validation.ParameterNameProvider](#) }. The default provider will
* return the actual parameter names, if the `-parameters` compiler option
* has been enabled, and { `arg0` }, { `arg1` } etc. otherwise.

* `</p>`

* `<p>`

* The following listing shows an example using the JavaScript engine which

* comes with the JDK:

* `</p>`

* `<pre>`

* { `@code @ParameterScriptAssert(script = "start.before(end)", lang = "javascript")`

* `public void createEvent(Date start, Date end) { ... }`

* `}`

* `</pre>`

* `<p>`

* Can be specified on any method or constructor.

* `</p>`

*

* `@author` Gunnar Morling

* /

Found in path(s):

* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/constraints/ParameterScriptAssert.java`

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* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/cfg/defs/LengthDef.java`

* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeOrZeroValidatorForMonetaryAmount.java`

va

* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/hv/ScriptAssertContext.java`

* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java`

* `/opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-`

jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForCharSequence.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/NIPValidator.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/spi/resourceloading/package-info.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalTime.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/util/logging/formatter/CollectionOfClassesObjectFormatter.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/metadata/core/ConstraintOrigin.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/metadata/raw/ConstrainedElement.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/cfg/defs/CodePointLengthDef.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/CascadingMetaDataBuilder.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/cfg/context/AnnotationIgnoreOptions.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/hv/LuhnCheckValidator.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/constraints/ISBN.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/constraints/Range.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/NullValidator.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForLong.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForReadableInstant.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForOffsetDateTime.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForHijrahDate.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/util/TypeResolutionHelper.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/AbstractJavaTimeValidator.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/xml/mapping/ConstraintMappingsStaxBuilder.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/AbstractFutureEpochBasedValidator.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/constraints/br/TituloEleitoral.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/cfg/context/CrossParameterConstraintMappingContextImpl.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfFloat.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/xml/config/ValidationConfigStaxBuilder.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/properties/Callable.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/util/stereotypes/ThreadSafe.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/engine/constraintvalidation/LambdaBasedValidatorDescriptor.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/engine/PredefinedScopeValidatorFactoryImpl.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/descriptor/ParameterDescriptorImpl.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredField.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForDate.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/spi/scripting/ScriptEvaluatorFactory.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/ELState.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/resourceloading/DelegatingResourceBundleLocator.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/internal/metadata/package-info.java

* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/path/package-info.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-jar/org/hibernate/validator/cfg/defs/FutureDef.java

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* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/cfg/defs/NotNullDef.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForShort.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForHijrah
Date.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/xml/mapping/CrossParameterStaxBuilder.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/xml/mapping/ConstrainedMethodStaxBuilder.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/engine/resolver/package-info.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/metadata/descriptor/BeanDescriptorImpl.java
* /opt/cola/permits/1357791350_1657105548.822472/0/hibernate-validator-6-1-7-final-sources-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/AbstractDecimalMaxValidator.java
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jar/org/hibernate/validator/internal/util/TypeHelper.java
```

1.250 io-swagger-swagger-annotations 2.1.3

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* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/security/OAuthScope.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/security/SecuritySchemes.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/media/Encoding.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/Parameters.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/callbacks/Callback.java
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* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/parameters/RequestBody.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/ExternalDocumentation.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/responses/ApiResponseResponses.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/media/Content.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/Hidden.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/security/OAuthFlow.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/servers/Server.java
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* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-jar/io/swagger/v3/oas/annotations/media/Schema.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-

jar/io/swagger/v3/oas/annotations/links/LinkParameter.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/security/SecurityScheme.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/info/License.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/security/SecurityRequirement.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/headers/Header.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/Parameter.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/servers/Servers.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/extensions/Extensions.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/callbacks/Callbacks.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/responses/ApiResponse.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/media/ExampleObject.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/security/OAuthFlows.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/servers/ServerVariable.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/media/DiscriminatorMapping.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/security/SecurityRequirements.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/links/Link.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/Operation.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/tags/Tag.java
* /opt/cola/permits/1357791011_1657280933.544446/0/swagger-annotations-2-1-3-sources-
jar/io/swagger/v3/oas/annotations/OpenAPIDefinition.java

1.251 saslprep 1.1

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2.3.9.RELEASE

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1.254 stringprep 1.1

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Module codegenerator needs these dependencies to generate the class StringPrep dynamically.

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1.255 java-servlet-api 4.0.1

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```
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/SimpleLock.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/StorageBasedLockProvider.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/AbstractSimpleLock.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
```

jar/net/javacrumbs/shedlock/core/LockConfigurationExtractor.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/LockRecordRegistry.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/DefaultLockingTaskExecutor.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockManager.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/ExtensibleLockProvider.java
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jar/net/javacrumbs/shedlock/support/StorageAccessor.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockAssert.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/AbstractStorageAccessor.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/annotation/NonNull.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/Utils.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockConfiguration.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockProvider.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockableRunnable.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/SchedulerLock.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/ClockProvider.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/LockException.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/DefaultLockManager.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/support/annotation/Nullable.java
* /opt/cola/permits/1357790763_1657088824.309712/0/shedlock-core-4-27-0-sources-1-
jar/net/javacrumbs/shedlock/core/LockingTaskExecutor.java

1.257 duct-tape 1.0.8

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1.258 jna 5.5.0

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David Megginson, david@megginson.com
2000-05-05

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Modified by Atlassian

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

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The primary ANTLR guy:

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

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/*

File: Core.js

Description:

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

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

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

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