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1.645 busybox 1.37.0-r19
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1.646 ca-certificates 20250619-r0
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1.647 ca-certificates-bundle 20250619-r0
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1.649 commons-lang3 3.18.0
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1.650 tomcat 10.1.43
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1.652 aws-java-sdk-dynamodb 1.12.783
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1.653 aws-java-sdk-sts 1.12.783
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1.654 secretsmanager 2.25.64

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1.655 aws-secretsmanager-caching-java 2.0.0

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1.656 schema-registry-serde 1.1.24

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1.657 swiftpoet 1.6.5

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1.658 kotlin-scripting-compiler-impl-embeddable 1.9.25-release-852

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1.660 okio-fakefilesystem-jvm 3.9.1

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1.661 kotlinpoet-jvm 2.0.0

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1.662 amazon-kinesis-producer 1.0.3

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1.663 javapoet 0.6.0

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1.664 schema-registry-common 1.1.24

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1.667 sqlite 3.49.2-r1

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1.671 spring-data-jpa 3.5.2

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1.703 opentelemetry-gcp-resources 1.43.0-alpha

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1.704 micrometer-observation 1.15.2

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1.705 hibernate 6.6.22.Final

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1.706 spring-boot-autoconfigure 3.5.4

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1.710 micrometer-core 1.15.2

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1.712 google-auth-library-credentials 1.35.0

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1.713 reactor-netty-core 1.2.8
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1.714 netty-resolver-dns-classes-macos 4.1.123.Final
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1.716 spring-aspects 6.2.9
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1.718 jackson-module-afterburner 2.19.2
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1.751 netty-codec-xml 4.1.123.Final

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1.753 github.com/google/uuid 1.3.0
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1.754 openssl 3.5.1
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1.755 python-certifi 2025.8.3
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1.756 python-certifi 2025.08.03
1.756.1 Available under license
1.757 ssl-client 1.37.0-r19
1.757.1 Available under license
1.758 openssl 3.5.2
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1.759 cryptography 45.0.6
1.759.1 Available under license
1.760 golang 1.24.6
1.760.1 Available under license
1.761 stdlib go1.24.6
1.761.1 Available under license

1.1 libjpeg 6b

1.1.1 Notifications :

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

1.1.2 Available under license :

The Independent JPEG Group's JPEG software
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README for release 6b of 27-Mar-1998
==========

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

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

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi,

Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

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

DOCUMENTATION
ROADMAP
==========

This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

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

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

OVERVIEW
========

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

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

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

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

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

We welcome the use of this software as a component of commercial products.
No royalty is required, but we do ask for an acknowledgement in product
documentation, as described under LEGAL ISSUES.

LEGAL ISSUES
============

In plain English:

1. We don't promise that this software works. (But if you find any bugs,
please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a
program, you
must acknowledge somewhere in your documentation that
you've used the IJG code.

In legalese:

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conditions:
(1) If any part of the source code for this software is distributed, then this
README file must be included, with this copyright and no-warranty notice
unaltered; and any additions, deletions, or changes to the original files
must be clearly indicated in accompanying documentation.
(2) If only executable code is distributed,
then the accompanying
documentation must state that "this software is based in part on the work of
the Independent JPEG Group".
(3) Permission for use of this software is granted only if the user accepts
full responsibility for any undesirable consequences; the authors accept
NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code,
not just to the unmodified library. If you use our work, you ought to
acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name
in advertising or publicity relating to this software or products derived from
it. This software may be referred to only as "the Independent JPEG Group's
software".

We specifically permit and encourage the use of this software as the basis of
commercial products, provided that all warranty or liability claims are
assumed by the product vendor.

ansi2knr.c is included in this distribution by permission of
L. Peter Deutsch,
sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA.
ansi2knr.c is NOT covered by the above copyright and conditions, but instead
by the usual distribution terms of the Free Software Foundation; principally,
that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

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

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

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

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of
CompuServe Incorporated. GIF(sm) is a Service Mark property of
CompuServe Incorporated."

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

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

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

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

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

Images, Part 2: Compliance testing" and has document
numbers ISO/IEC IS 10918-2, ITU-T T.83.

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

The JPEG standard does not specify all details of an interchangeable file
format. For the omitted details we follow the "JFIF" conventions, revision
1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation
scheme
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available
from ftp://ftp.sgi.com/graphics/tiff/.

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

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

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers
archive sites, including the official news.answers
archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
==========

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free
PBMPLUS software, which provides many useful operations on PPM-format image
files. In particular, it can convert PPM images to and from a wide range of
other formats, thus making cjpeg/djpeg considerably more useful. The latest
version is distributed by the NetPBM group, and is available from numerous
sites,
notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.
Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is;
you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS
==========

Some JPEG programs produce files that are not compatible with our library.
The root of the problem is that the ISO JPEG committee failed to specify a
concrete file format. Some vendors "filled in the blanks" on their own,
creating proprietary formats that no one else could read.
 (For example, none
of the early commercial JPEG implementations for the Macintosh were able to
exchange compressed files.)

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

The upcoming JPEG Part 3 standard defines a file format called SPIFF.
SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should
be able to read the most common variant of SPIFF. SPIFF has some technical
advantages over JFIF, but its major claim to fame is simply that it is an
official standard rather than an informal one. At this point it is unclear
whether
 SPIFF will supersede JFIF or whether JFIF will remain the de-facto
standard. IJG intends to support SPIFF once the standard is frozen, but we
have not decided whether it should become our default output format or not.
(In any case, our decoder will remain capable of reading JFIF indefinitely.)

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

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

1.2 commons-digester 2.1

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1.3 bzip2 1.0.8

1.4 latencyutils 2.0.3

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1.6 bean-validation-api 2.0.1.Final

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1.7 hamcrest 1.3

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1.9 scala 2.12.10

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```
not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
    Either create a single parameter accepting the Tuple2,
    or consider a pattern matching anonymous function: `{ case (a, b) => ... }
 val x: ((Int, Int) => Int) = (((a, b)) => a)
                               ^
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
    Either create a single parameter accepting the Tuple2,
    or consider a pattern matching anonymous function: `{ case (param1, param2) => ... }
```

```
 val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
                                    ^
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
    Either create a single parameter accepting the
 Tuple3,
    or consider a pattern matching anonymous function: `{ case (param1, ..., param3) => ... }
 val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
                                    ^
three errors found
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1.10 lz4 1.9.2

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1.11 commons-lang3 2.4

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1.13 x-crypto 0.36.0

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1.15 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 sa
mpled data value counts across a configurable integer value rang
e with configurable value precision within the range. Value prec
ision is expressed as the number of significant digits in the va

lue recording, and provides control over value quantization beha
vior across the value range and the subsequent value resolution
at any given level.
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://opensource.org/licenses/BSD-2-Clause
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.packe
darray;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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1.16 hikaricp 3.2.0

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* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/metrics/MetricsTracker.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/metrics/MetricsTrackerFactory.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/metrics/dropwizard/CodaHaleMetricsTracker.java
*
/hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/HikariJNDIFactory.java
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* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyCallableStatement.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/HikariConfigMXBean.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/HikariPoolMXBean.java

* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
*
 /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/PropertyElf.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyStatement.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/UtilityElf.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyPreparedStatement.java
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* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyLeakTask.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyLeakTaskFactory.java
*
 /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/ConcurrentBag.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/pool/ProxyConnection.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/HikariConfig.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/SuspendResumeLock.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/FastList.java
* /hikaricp-3-2-0-sources-1-jar/com/zaxxer/hikari/util/DriverDataSource.java
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1.17 xerces-j 2.12.2

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1.24 jul-to-slf4j 1.7.30

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1.25 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:

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1.26 jcl-over-slf4j 1.7.30

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1.27 commons-codec 1.15

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1.29 lz4 1.9.3

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1.32 re2j 1.5

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* /re2j-1-5-sources-jar/com/google/re2j/Characters.java
* /re2j-1-5-sources-jar/com/google/re2j/Compiler.java
* /re2j-1-5-sources-jar/com/google/re2j/RE2.java
* /re2j-1-5-sources-jar/com/google/re2j/Simplify.java
* /re2j-1-5-sources-jar/com/google/re2j/Utils.java
* /re2j-1-5-sources-jar/com/google/re2j/CharGroup.java
* /re2j-1-5-sources-jar/com/google/re2j/Regexp.java
* /re2j-1-5-sources-jar/com/google/re2j/PatternSyntaxException.java
* /re2j-1-5-sources-jar/com/google/re2j/Pattern.java
* /re2j-1-5-sources-jar/com/google/re2j/Inst.java
* /re2j-1-5-sources-jar/com/google/re2j/CharClass.java
* /re2j-1-5-sources-jar/com/google/re2j/Unicode.java
* /re2j-1-5-sources-jar/com/google/re2j/UnicodeTables.java
*
/re2j-1-5-sources-jar/com/google/re2j/MachineInput.java
* /re2j-1-5-sources-jar/com/google/re2j/Parser.java
* /re2j-1-5-sources-jar/com/google/re2j/Prog.java
* /re2j-1-5-sources-jar/com/google/re2j/Matcher.java
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1.33 commons-lang3 3.12.0

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1.34 conscrypt-openjdk-uber 2.5.2

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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/FileClientSessionCache.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/AbstractSessionContext.java
*
 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/TrustedCertificateIndex.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/SSLServerSessionCache.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ServerSessionContext.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java8ExtendedSSLSession.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java8EngineSocket.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OAEPParameters.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java9PlatformUtil.java
*
 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java7ExtendedSSLSession.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Internal.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/HandshakeListener.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java8FileDescriptorSocket.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java8PlatformUtil.java

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*
 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/KeyManagerImpl.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/SSLParametersImpl.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OkHostnameVerifier.java
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 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLAeadCipher.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OidData.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLMac.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLRSAPrivateCrtKey.java
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 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLRSAKeyFactory.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/CertBlocklist.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ConscryptCertStore.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/PSSParameters.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLX509CertPath.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLX509CRLEntry.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLX509CRL.java
*
/conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLECDHKeyAgreement.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/EmptyArray.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLProvider.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/OpenSSLSocketImpl.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ct/CTConstants.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ct/Serialization.java
*
 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ct/SignedCertificateTimestamp.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ct/CTVerificationResult.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/DuckTypedPSKKeyManager.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ExperimentalApi.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/SessionSnapshot.java
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 /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/Java8EngineWrapper.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/ExternalSession.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/AbstractConscryptEngine.java
* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/AbstractConscryptSocket.java
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* /conscrypt-openjdk-uber-2-5-2-sources-jar/org/conscrypt/PeerInfoProvider.java
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1.36 cerberus 1.3.4

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1.37 golang-mock 1.6.0

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Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>
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David Symonds <dsymonds@golang.org>
Ryan Barrett <ryanb@google.com>
package empty_interface

//go:generate mockgen -package empty_interface -destination mock.go -source input.go -
copyright_file=mock_copyright_header

type Empty interface{}

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//

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// Source: input.go

// Package empty_interface is a generated GoMock package.
package empty_interface

import (
 gomock "github.com/golang/mock/gomock"
)

// MockEmpty is a mock of Empty interface.
type MockEmpty struct {
 ctrl     *gomock.Controller
 recorder *MockEmptyMockRecorder
}

// MockEmptyMockRecorder is the mock recorder for MockEmpty.
type MockEmptyMockRecorder struct {
 mock *MockEmpty
}

// NewMockEmpty creates a new mock instance.
func NewMockEmpty(ctrl *gomock.Controller) *MockEmpty {
 mock := &MockEmpty{ctrl: ctrl}
 mock.recorder = &MockEmptyMockRecorder{mock}
 return mock
}

// EXPECT returns an object that allows the caller to indicate expected use.
func (m *MockEmpty) EXPECT() *MockEmptyMockRecorder
 {
 return m.recorder
}
```

1.38 jcip-annotation 1.0-1

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Found in path(s):
* /jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/Immutable.java
* /jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/NotThreadSafe.java
* /jcip-annotations-1-0-1-sources-jar/net/jcip/annotations/ThreadSafe.java
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1.39 annotations 4.1.1.4

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1.40 metrics 4.1.0

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1.41 jakarta-inject-api 2.0.1

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1.44 asm 9.3

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1.45 lombok 1.18.24

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1.49 jboss-logging 3.5.0.Final

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Bnd-LastModified: 1648465920192
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Bundle-ManifestVersion: 2
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Created-By: Apache Maven Bundle Plugin 5.1.4
Export-Package: com.sun.istack;uses:="jakarta.activation,javax.xml.strea
m,org.xml.sax,org.xml.sax.helpers";version="4.1.1",com.sun.istack.local
ization;version="4.1.1",com.sun.istack.logging;version="4.1.1"
Implementation-Build-Id: 4.1.1 - d6e5d28
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Import-Package: jakarta.activation;version="[2.1,3)";resolution:=optiona
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1.54 apr 1.7.5

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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.61 lang-tag 1.7

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Manifest-Version: 1.0
Created-By: Apache Maven Bundle Plugin
Build-Jdk-Spec: 11
Specification-Title: Nimbus LangTag
Specification-Version: 1.7
Specification-Vendor: Connect2id Ltd.
Implementation-Title: Nimbus LangTag
Implementation-Version: 1.7
Implementation-Vendor: Connect2id Ltd.
Build-Date: ${timestamp}
Build-Number: ${buildNumber}
Build-Tag: 1.7
Bnd-LastModified: 1657093138131
Build-Jdk: 11.0.15
Built-By: vd
Bundle-Description: Java implementation of "Tags for Identifying Languag

es" (RFC 5646)
Bundle-DocURL: https://connect2id.com/
Bundle-License: https://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Nimbus LangTag
Bundle-SymbolicName: lang-tag
Bundle-Vendor: Connect2id Ltd.
Bundle-Version: 1.7.0
Export-Package: com.nimbusds.langtag;version="1.7"
Implementation-Vendor-Id: com.nimbusds
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-2.4.1.201501161923

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1.62 mbknor-jackson-jsonschema_2.12 1.0.39

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1.63 kotlin-reflect 1.7.10

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1.64 libffi 3.4.4

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1.65 msal 0.4.0

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For :class:`ConfidentialClientApplication`,
class ConfidentialClientApplication(ClientApplication): # server-side web app
"""Acquires token from the service for the confidential client.

Found in path(s):
* /msal-0-4-0-tar-gz/msal-0.4.0/msal/application.py

1.66 lz4 1.9.4

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1.67 simpleclient_tracer_common 0.16.0

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INF/maven/io.prometheus/simpleclient_tracer_common/pom.xml

1.68 simpleclient-common 0.16.0

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Manifest-Version: 1.0
Bnd-LastModified: 1655327905690
Build-Jdk: 11.0.15
Built-By: fabian
Bundle-Description: Common code used by various modules of the Simplecli
ent.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Prometheus Java Simpleclient Common
Bundle-SymbolicName: io.prometheus.simpleclient_common
Bundle-Version: 0.16.0
Created-By: Apache Maven Bundle Plugin
Export-Package: io.prometheus.client.exporter.common;uses:="io.prometheu
s.client";version="0.16.0"
Import-Package: io.prometheus.client;version="[0.16,1)",io.prometheus.cl
ient.exemplars;version="[0.16,1)"
Tool: Bnd-2.1.0.20130426-122213

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1.69 simpleclient_tracer_otel 0.16.0

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1.70 simpleclient_tracer_otel_agent 0.16.0

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1.71 simpleclient 0.16.0

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1.72 httpcomponents-core 4.4.16

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1.73 httpcomponents-client 4.5.14

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1.79 classgraph 4.8.120

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*
* Author: @jacobg on GitHub
*
* Hosted at: https://github.com/classgraph/classgraph
*
* --
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*
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*
* Hosted at: https://github.com/classgraph/classgraph
*
* --
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*

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*
* With contributions from @cpierceworld (#414)
*
* Hosted at: https://github.com/classgraph/classgraph
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1.80 github.com/redis/go-redis/v9 9.0.2

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1.81 servlet-api 6.0

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd

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- javaee_5.xsd
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1.82 snake-yaml 2.6

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1.83 gson 2.10.1

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Manifest-Version: 1.0
Created-By: 11.0.16.1 (Azul Systems, Inc.)
Build-Jdk-Spec: 11
Bnd-LastModified: 1673019830620
Bundle-ContactAddress: https://github.com/google/gson
Bundle-Description: Gson JSON library
Bundle-Developers: google;organization=Google;organizationUrl="https://www.google.com"
Bundle-DocURL: https://github.com/google/gson/gson
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Bundle-ManifestVersion: 2
Bundle-Name: Gson
Bundle-RequiredExecutionEnvironment: JavaSE-1.7, JavaSE-1.8
Bundle-SCM: url="https://github.com/google/gson/gson/",connection="scm:g
it:https://github.com/google/gson.git/gson",developer-connection="scm:g
it:git@github.com:google/gson.git/gson",tag="gson-parent-2.10.1"
Bundle-SymbolicName: com.google.gson
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Bundle-Version: 2.10.1
Export-Package: com.google.gson;uses:="com.google.gson.reflect,com.googl
e.gson.stream";version="2.10.1",com.google.gson.annotations;version="2.
10.1",com.google.gson.reflect;version="2.10.1",com.google.gson.stream;v
ersion="2.10.1"
Import-Package: sun.misc;resolution:=optional,com.google.gson.annotation
s
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-6.4.0.202211291949
Multi-Release: true

Found in path(s):
* /gson-2-10-1-jar/META-INF/MANIFEST.MF

1.84 apache-log4j 2.20.0

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1.87 angus-activation 2.0.0

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1.91 json-smart 2.4.10

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* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/ArraysMapper.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserBase.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserStream.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/DefaultMapperCollection.java
*
 /json-smart-2-4-10-sources-jar/net/minidev/json/writer/JsonReaderI.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/CompressorMapper.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/FakeMapper.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONStyle.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserByteArray.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/JsonReader.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/ParseException.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/BeansMapper.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONAware.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONStreamAware.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/writer/DefaultMapperOrdered.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONStreamAwareEx.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONValue.java
*
 /json-smart-2-4-10-sources-jar/net/minidev/json/writer/CollectionMapper.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserReader.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONObject.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParser.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONAwareEx.java

* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserString.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JSONArray.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserInputStream.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/parser/JSONParserMemory.java
* /json-smart-2-4-10-sources-jar/net/minidev/json/JStylerObj.java
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1.92 re2j 1.7

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* /re2j-1-7-sources-jar/com/google/re2j/Prog.java
* /re2j-1-7-sources-jar/com/google/re2j/Characters.java
* /re2j-1-7-sources-jar/com/google/re2j/RE2.java
* /re2j-1-7-sources-jar/com/google/re2j/MachineInput.java
* /re2j-1-7-sources-jar/com/google/re2j/Unicode.java
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* /re2j-1-7-sources-jar/com/google/re2j/Parser.java
* /re2j-1-7-sources-jar/com/google/re2j/super/com/google/re2j/Characters.java
* /re2j-1-7-sources-jar/com/google/re2j/Simplify.java
* /re2j-1-7-sources-jar/com/google/re2j/Utils.java
* /re2j-1-7-sources-jar/com/google/re2j/CharClass.java
* /re2j-1-7-sources-jar/com/google/re2j/Regexp.java
* /re2j-1-7-sources-jar/com/google/re2j/Machine.java
*
 /re2j-1-7-sources-jar/com/google/re2j/Pattern.java
* /re2j-1-7-sources-jar/com/google/re2j/Compiler.java
* /re2j-1-7-sources-jar/com/google/re2j/Matcher.java
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1.93 simpleclient-httpserver 0.16.0

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1.94 isl 0.26-r1

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1.95 mpc1 1.3.1-r1

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1.96 mpclib 1.3.1-r1

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1.97 slf4j 2.0.7

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1.98 sirupsen-logrus 1.8.1

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1.99 go-rendezvous 0.0.0-20200823014737-9f7001d12a5f

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1.100 bzip2 1.0.8-r6

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.101 isl26 0.26-r1

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1.102 musl-obstack 1.2.3-r2

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1.111 apr 1.7.4

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file_io/unix/mktemp.c, strings/apr_strings.c:

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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.114 jmespath 1.0.1

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1.115 clientmodel 0.3.0

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* /golang-sdk-x64-linux-4-5-2-0-tar/appdynamics/include/appdynamics_advanced.h

1.117 jna-platform 5.13.0

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1.118 free-type 2.13.2

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docs/FTL.TXT
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src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c

src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/ftzconf.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
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#
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1.119 accessors-smart 2.4.9

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* /accessors-smart-2-4-9-2-jar/META-INF/maven/net.minidev/accessors-smart/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1678198115874
Build-Jdk: 11.0.18
Built-By: uriel
Bundle-Description: Java reflect give poor performance on getter sette
r an constructor calls, accessors-smart use ASM to speed up those cal
ls.
Bundle-DocURL: https://urielch.github.io/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: accessors-smart
Bundle-SymbolicName: net.minidev.accessors-smart
Bundle-Vendor: Chemouni Uriel
Bundle-Version: 2.4.9
Created-By: Apache Maven Bundle Plugin
Export-Package: net.minidev.asm;version="2.4.9";uses:="org.objectweb.a
sm",net.minidev.asm.ex;version="2.4.9"
Import-Package: org.objectweb.asm;version="[8.0,10)",net.minidev.asm.e
x;version="[2.4,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-5.1.1.202006162103

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* /accessors-smart-2-4-9-2-jar/META-INF/MANIFEST.MF

1.120 j2objc-annotations 2.8

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Found in path(s):
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Weak.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/AutoreleasePool.java
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* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ReflectionSupport.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedWith.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/WeakOuter.java
*
/j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/ObjectiveCName.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/Property.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/LoopTranslation.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/OnDealloc.java
* /j2objc-annotations-2-8-sources-2-jar/com/google/j2objc/annotations/RetainedLocalRef.java

1.121 animal-sniffer-annotation 1.23

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* /animal-sniffer-annotations-1-23-1-jar/META-INF/maven/org.codehaus.mojo/animal-sniffer-annotations/pom.xml

1.122 antlr 4.13.0

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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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg
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/** ANTLR tool checks output templates are compatible with tool code generation.
*  For now, a simple string match used on x.y of x.y.z scheme.
*  Must match Tool.VERSION during load to templates.
*
*  REQUIRED.
*/

javascriptTypeInitMap ::= [
 "bool":"false",
 "int":"0",
 "float":"0.0",
 "str":"",
 default:"{}" // anything
 other than a primitive type is an object
]

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

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';
<if(file.genListener)>
import <file.grammarName>Listener from './<file.grammarName>Listener.js';
<endif>
<if(file.genVisitor)>
import <file.grammarName>Visitor from './<file.grammarName>Visitor.js';
<endif>

<namedActions.header>
<parser>
>>

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

```
// This class defines a complete listener for a parse tree produced by <file.parserName>.
export default class <file.grammarName>Listener extends antlr4.tree.ParseTreeListener {

<file.listenerNames:{lname |
 // Enter a parse tree produced by <file.parserName>#<lname>.
 enter<lname; format="cap">(ctx) {
 \}

 // Exit a parse tree produced by <file.parserName>#<lname>.
 exit<lname;
 format="cap">(ctx) {
 \}

}; separator="\n">

}
>>


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

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

export default class <file.grammarName>Visitor extends antlr4.tree.ParseTreeVisitor {

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

}; separator="\n">

}
>>


fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>
```

```
<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds,
 index) );

const sharedContextCache = new antlr4.atn.PredictionContextCache();

export default class <parser.name> extends <superClass; null="antlr4.Parser"> {

  static grammarFileName = "<parser.grammarFileName>";
  static literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
  static symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
  static ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

  constructor(input) {
      super(input);
      this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
      this.ruleNames = <parser.name>.ruleNames;
      this.literalNames = <parser.name>.literalNames;
      this.symbolicNames = <parser.name>.symbolicNames;
      <namedActions.members>
  }

  <if(sempredFuncs)>
  sempred(localctx, ruleIndex, predIndex) {
   switch(ruleIndex) {
   <parser.sempredFuncs.values:{f
| case <f.ruleIndex>:
    return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
      default:
          throw "No predicate with index:" + ruleIndex;
     }
  }

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

 <funcs; separator="\n">

}

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>
```

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

<funcs:{f | <ruleContexts(f)>}; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.funcs:{f | <parser.name>.<f.ctxType> = <f.ctxType>; }; separator="\n">

>>

ruleContexts(currentRule) ::= <<
<currentRule.ruleCtx>

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

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action
 = function(localctx, ruleIndex, actionIndex) {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
 this.<f.name>_action(localctx, actionIndex);
 break;}; separator="\n">
 default:
  throw "No registered action for:" + ruleIndex;
 }
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
 switch (ruleIndex) {
  <recog.sempredFuncs.values:{f| case <f.ruleIndex>:
 return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
    default:
     throw "No registered predicate for:" + ruleIndex;
   }
};

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

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

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
 switch (actionIndex) {
 <actions:{index|
case <index>:
 <actions.(index)>
 break;};
 separator="\n">
 default:
  throw "No registered action for:" + actionIndex;
 }
};
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name>.prototype.<r.name>_sempred =
function<else><r.name>_sempred<endif>(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)
::= <<


<currentRule.escapedName>(<currentRule.args:{a | <a.escapedName>}; separator=", ">) {
  let localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.escapedName>}>);
  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) ::=
<<

<currentRule.escapedName>(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {
 if(_p===undefined) {
     _p = 0;
 }
  const _parentctx = this._ctx;
  const _parentState = this.state;
  let localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a | , <a.escapedName>}>);
  let _prevctx
 = localctx;
  const _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(tokens=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(tokens=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.tokens)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>)
 & ~0x1f) === 0
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & <bits.calculated>) !== 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>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>===<t.type>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <t.type>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
```

```
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>this.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argE
xprsChunks>);
>>

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.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValueRef(a) ::= "localctx.<a.escapedName>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::=
 "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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)     ::= "this.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks)  ::= "this.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

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

TokenDecl(t) ::= "this.<t.escapedName> = null;"
TokenTypeDecl(t) ::= "var <t.escapedName> = 0;"
TokenListDecl(t)
 ::= "this.<t.escapedName> = [];"
RuleContextDecl(r) ::= "this.<r.escapedName> = null;"
RuleContextListDecl(rdecl) ::= "this.<rdecl.escapedName> = [];"

ContextTokenGetterDecl(t)      ::= <<
<t.escapedName>() {
  return this.getToken(<parser.name>.<t.name>, 0);
};
>>

// should never be called
ContextTokenListGetterDecl(t)  ::= <<
<t.escapedName>_list() {
  return this.getTokens(<parser.name>.<t.name>);
}
>>

ContextTokenListIndexedGetterDecl(t)  ::= <<
<t.escapedName> = 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.escapedName>() {
  return this.getTypedRuleContext(<r.ctxName>,0);
};
```

```
>>

// should never be called
ContextRuleListGetterDecl(r)  ::= <<
<r.escapedName>_list() {
  return this.getTypedRuleContexts(<parser.name>.<r.ctxName>);
}
>>

ContextRuleListIndexedGetterDecl(r)
  ::= <<
<r.escapedName> = 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,signatures) ::= <<
class <struct.escapedName> extends
<if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif> {

  constructor(parser, parent, invokingState<struct.ctorAttrs:{a
| , <a.escapedName>}>) {
     if(parent===undefined) {
        parent = null;
     }
     if(invokingState===undefined || invokingState===null) {
```

```
        invokingState = -1;
    }
    super(parent, invokingState);
    this.parser = parser;
    this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;
    <attrs:{a | <a>}; separator="\n">
    <struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName> || null;}; separator="\n">
  }

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

 <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 copyFrom(ctx) {
  super.copyFrom(ctx);
  <struct.attrs:{a | this.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
 }
 <endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">

}

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.escapedName> extends <struct.parentRule; format="cap">Context {

  constructor(parser, ctx) {

    super(parser);
     <attrs:{a | <a>;}; separator="\n">
     super.copyFrom(ctx);
  }

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

 <dispatchMethods; separator="\n">

}

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.escapedName>;

>>

ListenerDispatchMethod(method) ::= <<
<if(method.isEnter)>enter<else>exit<endif>Rule(listener) {
  if(listener instanceof <parser.grammarName>Listener ) {
```

```
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
 }
}

>>

VisitorDispatchMethod(method) ::= <<
accept(visitor) {
  if ( visitor instanceof <parser.grammarName>Visitor ) {
    return visitor.visit<struct.derivedFromName; format="cap">(this);
  } else {
    return visitor.visitChildren(this);
  }
}

>>

AttributeDecl(d) ::= "this.<d.escapedName> = <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.escapedName>"

/** 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, isListLabel) ::= <<
localctx = new <ctxName>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>);
>>

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)>
import antlr4 from 'antlr4';

<namedActions.header>

<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';

<endif>
<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );

export default class <lexer.name> extends <if(superClass)><superClass><else>antlr4.Lexer<endif>
 {

   static grammarFileName = "<lexer.grammarFileName>";
```

```
  static channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>,
<lexer.channelNames:{c| "<c>"}; separator=", ", wrap, anchor><endif> ];
 static modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ];
 static literalNames = [ <lexer.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
 static symbolicNames = [ <lexer.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
 static ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

  constructor(input) {
     super(input)
     this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.atn.PredictionContextCache());
     <namedActions.members>
  }
}

<lexer.name>.EOF = antlr4.Token.EOF;
<if(lexer.tokens)>
<lexer.tokens:{k | <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

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

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

<endif>

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


>>

SerializedATN(model) ::= <<
const serializedATN = [<model.serialized: {s | <s>}; separator=",", wrap>];

>>

/** 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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
No license file was found, but licenses were detected in source scan.

/*
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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.
*/
/*
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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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

```
/*
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*/

/** 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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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.
*/
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
options,
                        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 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($m);}))?
   opts=optionsSpec*
      {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, $opts.start, (GrammarAST)input.LT(1));}
      lexerRuleBlock
      {
      finishLexerRule((RuleAST)$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);
}
 : lexerAtom
 | lexerSubrule
 |   ACTION      {actionInAlt((ActionAST)$ACTION);}
 |   SEMPRED      {sempredInAlt((PredAST)$SEMPRED);}
 |   ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
 |   ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
 | EPSILON
 ;

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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.g
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*  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:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
* Visit a parse tree produced by the `<lname>` labeled alternative
* in {@see <file.parserName>::<file.visitorLabelRuleNames.(lname)>()\}.
<else>
* Visit a parse tree produced by {@see <file.parserName>::<lname>()\}.
<endif>
*
* @param Context\\<lname; format="cap">Context $context The parse tree.
*
* @return mixed The visitor result.
*/
public function visit<lname; format="cap">(Context\\<lname; format="cap">Context $context);};
separator="\n\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\\Antlr4\\Runtime\\Tree\\AbstractParseTreeVisitor;

/**
* This class provides an
 empty implementation of {@see <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*/
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
 <file.visitorNames:{lname |
/**
* {@inheritdoc\}
*
* The default implementation returns the result of calling
* {@see self::visitChildren()\} on `context`.
*/
public function visit<lname; format="cap">(Context\\<lname; format="cap">Context $context)
{
  return $this->visitChildren($context);
```

```
\}}; separator="\n\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

/*
* Generated from <grammarFileName> by ANTLR <ANTLRVersion>
*/

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

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
 use
 Antlr\\Antlr4\\Runtime\\Atn\\ATN;
 use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
 use Antlr\\Antlr4\\Runtime\\Atn\\ParserATNSimulator;
 use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\FailedPredicateException;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\NoViableAltException;
 use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
 use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\RecognitionException;
 use Antlr\\Antlr4\\Runtime\\RuleContext;
 use Antlr\\Antlr4\\Runtime\\Token;
 use Antlr\\Antlr4\\Runtime\\TokenStream;
 use Antlr\\Antlr4\\Runtime\\Vocabulary;
 use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
 use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
 use Antlr\\Antlr4\\Runtime\\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

 final class <parser.name> extends <superClass; null="Parser">
 {
  <if(parser.tokens)>
  public const <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=",
", wrap, anchor>;
  <endif>

  <if(parser.rules)>
  public const <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
  <endif>
```

```
/**
 * @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(): array
 {
  return self::SERIALIZED_ATN;
 }

 public function getATN(): ATN
 {
  return self::$atn;
 }

 public function getVocabulary(): Vocabulary
     {
         static $vocabulary;

  return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
     }
<if(funcs)>

  <funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

 public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex): bool
 {
  switch ($ruleIndex) {
  <parser.sempredFuncs.values:{f|
 case <f.ruleIndex>:
  return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

   default:
    return
true;
   }
 }

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

namespace <if(file.genPackage)><file.genPackage>\\<endif>Context {
 use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
 use Antlr\\Antlr4\\Runtime\\Token;
 use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;
```

```
 use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;
 use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;
 use <if(file.genPackage)><file.genPackage>\\<endif><parser.name>;
 <if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Visitor;<endif>
 <if (file.genListener)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Listener;<endif>
 <namedActions.contexts>

 <funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

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

vocabulary(literalNames, symbolicNames) ::= <<
/**
* @var array\<string|null>
*/
private const LITERAL_NAMES = [
   <literalNames:{t | <t>}; null="null",
 separator=", ", wrap, anchor>
];

/**
* @var array\<string>
*/
private const SYMBOLIC_NAMES = [
   <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex): void
{
 switch ($ruleIndex) {
 <recog.actionFuncs.values:{f|
 case <f.ruleIndex>:
  $this->action<f.name; format="cap">($localContext, $actionIndex);
  break;}; separator="\n\n">
 }
}

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex): bool
```

```
{
 switch ($ruleIndex) {
 <recog.sempredFuncs.values:{f|
   case <f.ruleIndex>:
       return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
 }

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

parser_ctor(p) ::= <<
public function __construct(TokenStream
 $input)
{
 parent::__construct($input);

 self::initialize();

 $this->interp = new ParserATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}
>>

/**
* This generates a private method since the actionIndex is generated, making
* an overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex): void
{
 switch ($actionIndex) {
 <actions:{index|
 case <index>:
 <actions.(index)>

 break;}; separator="\n\n">
 }
}
>>

/**
* This generates a private method since the predicateIndex is generated, making
* an overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(?Context\\<r.ctxType> $localContext, int $predicateIndex): bool
```

```
{
 switch ($predicateIndex) {
 <actions:{index|
   case <index>:
      return <actions.(index)>;}; separator="\n\n">
 }

 return
 true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
::= <<
/**
* @throws RecognitionException
*/
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=",">): Context\\<currentRule.ctxType>
{
  $localContext = new Context\\<currentRule.ctxType>($this->ctx, $this->getState()<currentRule.args:{a | ,
$<a.name>}>);

  $this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">

  try {
     <code>
     <postamble; separator="\n">
     <namedActions.after>
  }<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
     $localContext->exception = $exception;
     $this->errorHandler->reportError($this, $exception);
     $this->errorHandler->recover($this, $exception);
  }<endif> finally {

     <finallyAction>
     $this->exitRule();
  }

  return $localContext;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamb
le) ::= <<
/**
```

```
* @throws RecognitionException
*/
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">): Context\\<currentRule.ctxType>
{
 return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
}

/**
* @throws RecognitionException
*/
private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>):
Context\\<currentRule.ctxType>
{
 $parentContext = $this->ctx;
 $parentState = $this->getState();
 $localContext = new Context\\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args:{a | ,
<a.name>}>);
 $previousContext = $localContext;
 $startState = <currentRule.startState>;
 $this->enterRecursionRule($localContext, <currentRule.startState>,
 self::RULE_<currentRule.name>, $precedence);
 <namedActions.init>
 <locals; separator="\n">

 try {
  <code>
  <postamble; separator="\n">
  <namedActions.after>
 } catch (RecognitionException $exception) {
  $localContext->exception = $exception;
  $this->errorHandler->reportError($this, $exception);
  $this->errorHandler->recover($this, $exception);
 } finally {
  <finallyAction>
  $this->unrollRecursionContexts($parentContext);
 }

 return $localContext;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>
```

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

LL1AltBlock(choice,
 preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

switch ($this->input->LA(1)) {
   <choice.altLook,alts:{look,alt| <cases(tokens=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(tokens=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.tokens)))><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
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName,
 bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName, bits.shift)>) & <bits.calculated>) !== 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>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | $<s.varName> === self::<t.name>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case self::<t.name>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> = }><endif>$this-><if(r.ast.options.p)>recursive<r.name;
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif>
<argExprsChunks>);
>>
```

```
MatchToken(m) ::= <<
$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l
 | <labelref(l)> = }><endif>$this->match(self::<m.name>);
>>

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

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

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{l | <labelref(l)> = }>$this->input->LT(1);<endif>
<capture>

if (<if(invert)>$<m.varName> \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>$this->errorHandler->recoverInline($this);
} else {
 if ($this->input->LA(1) === Token::EOF) {
    $this->matchedEOF = true;
  }

 $this->errorHandler->reportMatch($this);
 $this->consume();
}
>>

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

// ACTION STUFF

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

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

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if
 (!(<chunks>)) {
  throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>);
}
```

```
>>

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

// lexer actions are not associated with model objects

LexerSkipCommand()  ::= "$this->skip();"
LexerMoreCommand()  ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"

LexerTypeCommand(arg, grammar)      ::= "$this->type = <arg>;"
LexerChannelCommand(arg, grammar)   ::= "$this->channel = <arg>;"
LexerModeCommand(arg, grammar)      ::= "$this->mode = <arg>;"
LexerPushModeCommand(arg, grammar)  ::= "$this->pushMode(<arg>);"

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

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

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

RulePropertyRef_start(r) ::= "(<ctx(r)>-><r.label> !== null ? (<ctx(r)>-><r.label>->start) : null)"
RulePropertyRef_stop(r)  ::= "(<ctx(r)>-><r.label> !== null ? (<ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_text(r)  ::= "(<ctx(r)>-><r.label> !== null ? $this->input->getTextByTokens(<ctx(r)>-><r.label>-
>start, <ctx(r)>-><r.label>->stop) : null)"
```

```
RulePropertyRef_ctx(r)  ::= "<ctx(r)>-><r.label>"
RulePropertyRef_parser(r):= "\$this"

ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r)  ::= "$localContext->stop"
ThisRulePropertyRef_text(r)  ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"
ThisRulePropertyRef_ctx(r)  ::= "$localContext"
ThisRulePropertyRef_parser(r):= "$this"

NonLocalAttrRef(s)        ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>-><a.listName>[]
 = <labelref(a.label)>;"

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"
RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls)>
 <struct.tokenListDecls : {d | /**
* @var array\<Token>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls)>
<if(struct.tokenListDecls)>

<endif>
 <struct.tokenDecls : {d | /**
* @var <TokenLabelType()>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextDecls)>
<if(struct.tokenListDecls || struct.tokenDecls)>

<endif>
 <struct.ruleContextDecls : {d | /**
* @var <d.ctxName>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextListDecls)>
```

```
<if(struct.tokenListDecls || struct.tokenDecls
 || struct.ruleContextDecls)>

<endif>
 <struct.ruleContextListDecls : {d | /**
* @var array\<<d.ctxName>\>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.attributeDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
 <struct.attributeDecls : {d | /**
* @var <d.type><if(!d.initValue)>|null<endif> $<d.name>
*/
public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>

>>

ContextTokenGetterDecl(t) ::= <<
public function <t.name>(): ?TerminalNode
{
  return $this->getToken(<parser.name>::<t.name>, 0);
}
>>

ContextTokenListGetterDecl(t)  ::= <<
>>

ContextTokenListIndexedGetterDecl(t)  ::= <<
/**
* @return array\<TerminalNode>|TerminalNode|null
*/
public function <t.name>(?int $index = null)
{
 if ($index === null) {
  return $this->getTokens(<parser.name>::<t.name>);
 }

  return $this->getToken(<parser.name>::<t.name>, $index);
}
>>

ContextRuleGetterDecl(r)
      ::= <<
public function <r.name>(): ?<r.ctxName>
```

```
{
 return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>

ContextRuleListGetterDecl(r)   ::= <<
>>

ContextRuleListIndexedGetterDecl(r)   ::= <<
/**
* @return array\<<r.ctxName>\>|<r.ctxName>|null
*/
public function <r.name>(?int $index = null)
{
 if ($index === null) {
  return $this->getTypedRuleContexts(<r.ctxName>::class);
 }

   return $this->getTypedRuleContext(<r.ctxName>::class, $index);
}
>>

LexerRuleContext() ::= "RuleContext"

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

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

CaptureNextToken(d) ::= "$<d.varName> = \$this->input->LT(1);"
CaptureNextTokenType(d) ::= "$<d.varName> = $this->input->LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,signatures)
 ::= <<
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 $visitor): mixed
{
 if ($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.escapedChannels)>
  public const <lexer.escapedChannels:{c | <c> = <lexer.escapedChannels.(c)>};
 separator=", ", wrap, anchor>;
  <endif>

  <if(rest(lexer.escapedModeNames))>
  public const <rest(lexer.escapedModeNames):{m | <m>=<i>}; separator=", ", wrap, anchor>;
  <endif>

  /**
   * @var array\<string>
   */
  public const CHANNEL_NAMES = [
   'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channelNames)>, <lexer.channelNames:{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(): array
 {
  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) ::= <<
private const SERIALIZED_ATN =
 [<model.serialized: {s | <s>}; separator=", ", wrap={<\n>    }>];
>>
```

```
/**
* 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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.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.
*/

tree grammar ATNBuilder;
options {
```

```
 language     = Java;
 tokenVocab   = ANTLRParser;
 ASTLabelType = GrammarAST;
// filter       = true;
}

// Include the copyright in this source and also the generated source
@header {
/*
[The "BSD license"]
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 modification, are permitted provided that the following conditions
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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.
*/
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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ATNBuilder.g
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```

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~ 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.
-->

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* /antlr4-4-13-0-sources-1-jar/META-INF/maven/org.antlr/antlr4/pom.xml
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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 "." in __name__:
  from .<file.parserName> import <file.parserName>
else:
  from <file.parserName> import <file.parserName>
<header>

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

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

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

```
}; separator="\n">

del <file.parserName>
>>


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

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

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

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

  <parser:(ctor)()>

  <namedActions.members>

  <funcs; separator="\n">


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

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

```
<endif>



>>

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

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

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f|
        preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
        self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

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

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

```
>>

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

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

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

>>

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

<ruleCtx>

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

def <currentRule.escapedName>(self<currentRule.args:{a | , <a.escapedName><if(a.type)>:<a.type><endif>}>):

  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | ,
<a.escapedName>}>)
  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.escapedName>(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.escapedName>}>)
  _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(tokens=look)>
    <alt>
  pass}; separator="\nel">
else:
  <error>

>>

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

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

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


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

>>

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

>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">

>>
```

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

>>

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

>>

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

>>

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

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

```
TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><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
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & <bits.calculated>) != 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>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t
 | <s.varName>==<t.type>}; separator=" or ">
%>

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

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argE
xprsChunks>)
>>

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

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

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

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

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

// ACTION STUFF

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

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

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

ExceptionClause(e, catchArg, catchAction) ::= <<
except <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.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValueRef(a) ::= "localctx.<a.escapedName>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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)     ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks)  ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

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

TokenDecl(t) ::= "self.<t.escapedName> = None # <TokenLabelType()>"
```

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

ContextTokenGetterDecl(t)      ::= <<
def <t.escapedName>(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.escapedName>(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.escapedName>(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.escapedName>(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,signatures) ::= <<
class <struct.escapedName>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
  __slots__ = 'parser'

  def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{a | ,
<a.escapedName><if(a.type)>:<a.type><endif>=None}>):
      super().__init__(parent, invokingState)
      self.parser = parser
      <attrs:{a | <a>}; separator="\n">
      <struct.ctorAttrs:{a | self.<a.escapedName> = <a.escapedName>}; 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.escapedName> = ctx.<a.escapedName>}; separator="\n">

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

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.escapedName>(<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.escapedName> = <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.escapedName>"

/** 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, isListLabel) ::= <<
localctx =
 <parser.name>.<ctxName>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>)
>>

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
import sys
if sys.version_info[1] > 5:
  from typing import TextIO
else:
  from typing.io import TextIO

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
```

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

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

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

   channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channelNames)>,
<lexer.channelNames:{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)
 ::= <<
def serializedATN():
  return [
     <model.serialized: {s | <s>}; separator=",", wrap>
  ]
>>

/** 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"
```

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg
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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)
;

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*
/antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g
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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.
*/
@SuppressWarnings("CheckReturnValue")
public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
 <file.listenerNames:{lname |
/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}};
separator="\n">

 /**
  * {@inheritDoc\}
```

```
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 *
{@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitErrorNode(ErrorNode node) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
* This interface defines a complete generic visitor for a parse tree produced
* by {@link <file.parserName>}.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
 <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
* Visit a parse tree produced by the {@code <lname>\}
* labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>\}.
<else>
```

```
 * Visit a parse tree produced by {@link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
* @return the visitor result
*/
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
* This class provides an empty implementation of {@link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
@SuppressWarnings("CheckReturnValue")
public class <file.grammarName>BaseVisitor\<T> extends AbstractParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T>
 {
 <file.visitorNames:{lname |
/**
* {@inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
@Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \}}; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> 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", "CheckReturnValue"})
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>
 <if(parser.rules)>
 public static final int
  <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
 <endif>
 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>"; }

 @Override
 public String[] getRuleNames() { return ruleNames; }

 @Override
 public String getSerializedATN() { return _serializedATN; }

 @Override
 public ATN getATN() { return _ATN; }

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

<if(sempredFuncs)>
 public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
  switch (ruleIndex) {
   <parser.sempredFuncs.values:{f|
case
```

```
 <f.ruleIndex>:
 return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
  }
 return true;
 }
 <sempredFuncs.values; separator="\n">
<endif>

 <atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static String[] makeLiteralNames() {
 return new String[] {
  <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
 };
}
private static final String[] _LITERAL_NAMES = makeLiteralNames();
private static String[] makeSymbolicNames() {
 return new String[] {
  <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
 };
}
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
_SYMBOLIC_NAMES);

/**
* @deprecated Use {@link #VOCABULARY} instead.
*/
@Deprecated
public static final String[] tokenNames;
static {
 tokenNames = new String[_SYMBOLIC_NAMES.length];
 for (int i = 0; i \< tokenNames.length; i++) {
  tokenNames[i]
 = VOCABULARY.getLiteralName(i);
  if (tokenNames[i] == null) {
   tokenNames[i] = VOCABULARY.getSymbolicName(i);
  }

  if (tokenNames[i] == null) {
   tokenNames[i] = "\<INVALID>";
  }
 }
}
```

```
@Override
@Deprecated
public String[] getTokenNames() {
 return tokenNames;
}

@Override

public Vocabulary getVocabulary() {
 return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
 switch (ruleIndex) {
 <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
 <f.name>_action((<f.ctxType>)_localctx, actionIndex);
 break;}; separator="\n">
 }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
 switch (ruleIndex) {
 <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
 return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
 }
 return
 true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
public <p.name>(TokenStream input) {
 super(input);
 _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}
>>
```

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

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

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

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

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.escapedName>(<args; separator=","">) throws RecognitionException {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState()<currentRule.args:{a | ,
<a.escapedName>}>);
 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.escapedName>(<args; separator=", ">) throws RecognitionException {
 return <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>);
}

private <currentRule.ctxType> <currentRule.escapedName>(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.escapedName>}>);
 <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(tokens=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(tokens=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.tokens)))><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
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
<bits.calculated>L) != 0)
%>

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

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

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<t.name>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <t.name>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks)
```

```
 ::= <<
setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprs
Chunks>);
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(<m.escapedName>);
>>

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

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

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

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

// ACTION STUFF

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

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

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>
```

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

// lexer actions are not associated with model objects

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

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

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"
LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValueRef(a) ::= "_localctx.<a.escapedName>"
QRetValueRef(a)
 ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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.escapedName>"
SetNonLocalAttr(s, rhsChunks)   ::=
 "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName>
 = <rhsChunks>;"

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

TokenDecl(t) ::= "<TokenLabelType()> <t.escapedName>"
TokenTypeDecl(t) ::= "int <t.escapedName>;"
TokenListDecl(t) ::= "List\<Token> <t.escapedName> = new ArrayList\<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.escapedName>"
RuleContextListDecl(rdecl) ::= "List\<<rdecl.ctxName>> <rdecl.escapedName> = 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.escapedName>() {
 return getRuleContext(<r.ctxName>.class,0);
}
>>
ContextRuleListGetterDecl(r)   ::= <<
public
 List\<<r.ctxName>\> <r.escapedName>() {
 return getRuleContexts(<r.ctxName>.class);
}
>>
ContextRuleListIndexedGetterDecl(r)   ::= <<
public <r.ctxName> <r.escapedName>(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,signatures)
 ::= <<
@SuppressWarnings("CheckReturnValue")
public static class <struct.escapedName> 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.escapedName>(ParserRuleContext parent, int invokingState) { super(parent,
invokingState); }<endif>
 public <struct.escapedName>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>) {
  super(parent, invokingState);
  <struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName>;}; separator="\n">
 }
 @Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 public <struct.escapedName>() { }
 public void copyFrom(<struct.escapedName> ctx) {
  super.copyFrom(ctx);
  <struct.attrs:{a | this.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
 }
<endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
@SuppressWarnings("CheckReturnValue")
public static class
 <struct.escapedName> extends <currentRule.name; format="cap">Context {
 <attrs:{a | public <a>;}; separator="\n">
```

```
 <getters:{g | <g>}; separator="\n">
 public <struct.escapedName>(<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.escapedName><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.escapedName>"

/** 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>
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", "CheckReturnValue"})
```

```
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.escapedChannels)>
 public static final int
  <lexer.escapedChannels:{c | <c>=<lexer.escapedChannels.(c)>}; separator=", ", wrap, anchor>;
 <endif>
 <if(rest(lexer.escapedModeNames))>
 public static final int
  <rest(lexer.escapedModeNames):{m | <m>=<i>}; separator=", ", wrap, anchor>;
 <endif>
 public static String[]
 channelNames = {
  "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{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>
}
>>

SerializedJavaATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
<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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg
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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 SourceGenTriggers;
options {

```
 language     = Java;
 tokenVocab   = ANTLRParser;
 ASTLabelType = GrammarAST;
}

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

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

dummy : block[null, null] ;

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

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
```

```
@init {
  boolean outerMost = inContext("RULE BLOCK");
}
@after {
  controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
  : a=alt[outerMost] {$altCodeBlock=$a.altCodeBlock; $ops=$a.ops;}
 ;

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

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

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

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

subrule returns [List<? extends SrcOp> omos]
 : ^(OPTIONAL b=block[null,$OPTIONAL])
```

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

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

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

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

ruleref[GrammarAST label] returns [List<SrcOp> omos]
```

```
  : ^(RULE_REF ARG_ACTION? elementOptions?)  {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
  ;

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

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

elementOptions
  : ^(ELEMENT_OPTIONS elementOption+)
  ;

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

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/SourceGenTriggers.g
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```

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Cpp/Cpp.stg

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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>
>>
```

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg
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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ATNBuilder.java
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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SemanticPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/RuleCollector.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/StarBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleTransformer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TestRig.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchNotSet.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarASTAdaptor.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleElementAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursionDetector.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/DartTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreePostScriptGenerator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/ActionSniffer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarSyntaxMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/AttributeDict.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/SystemFontMetrics.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/DefaultOutputModelFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_stop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Loop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Lexer.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeLayoutAdaptor.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNPrinter.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/TailEpsilonRemover.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/AddToLabelList.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelWalker.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/CSharpTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/ActionAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Wildcard.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/UseDefAnalyzer.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Grammar.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/BasicFontMetrics.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarRootAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/AnalysisPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarTransformPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeViewer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/Python3Target.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OutputFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/GoTarget.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SymbolCollector.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Attribute.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OptionalBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGenerator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_stop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ParserFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ANTLRMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_pos.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LexerFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNVisitor.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionText.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/PostScriptDocument.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/OrderedHashMap.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/SetAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/DOTGenerator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/CodeGenPipeline.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/EscapeSequenceParsing.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Rule.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/BuildDependencyGenerator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListIndexedGetterDecl.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ErrorType.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/DispatchMethod.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Sync.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/Decl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/LexerFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextToken.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/JavaTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/MutableInt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/LexerATNFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/InvokeRule.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/PHPTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ToolANTLRParser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ListenerFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/Trees.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/PredAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/BlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_parser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SrcOp.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/BasicSemanticChecks.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Recognizer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchToken.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SemPred.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/AttributeResolver.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/NotAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LexerGrammar.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/v4ParserException.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/PlusBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ActionSplitterListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListGetterDecl.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/Graph.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RetValueRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleElement.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/SwiftTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ArgAction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleRefAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_ctx.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ExceptionClause.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/SymbolChecks.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_ctx.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/BaseVisitorFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_type.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/CppTarget.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ANTLRToolListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/StarBlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/DefaultToolListener.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1Loop.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_index.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/LabelRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/CharSupport.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RuleAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/Target.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_text.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/LocalRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ScopeParser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/BaseListenerFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/OutputModelObject.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LeftRecursiveRule.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_start.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/UnicodeEscapes.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_channel.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ErrorSeverity.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ToolMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ResyncToEndOfRuleBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/Tool.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/target/Python2Target.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LabelType.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/QuantifierAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/StructDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/TokenVocabParser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1AltBlock.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/PlusBlockAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/AltAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_line.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/TerminalAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ParserATNFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/RangeAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/QRetValueRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/ParserFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/VisitorFile.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Choice.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/MatchSet.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_text.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/GrammarParserInterpreter.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/ActionTranslator.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForOuterMostAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleActionFunction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNOptimizer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Action.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/Utils.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ErrorManager.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/RuleFunction.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/ast/GrammarAST.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ModelElement.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/AltBlock.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/dbg.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/SerializedATN.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/semantics/AttributeChecks.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/TestSetInline.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/misc/FrequencySet.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ToolANTLRLexer.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_int.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/Alternative.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/Parser.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LabelElementPair.java

* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/BlankOutputModelFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LL1Choice.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/automata/ATNFactory.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/TreeTextProvider.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/LabeledOp.java
*
 /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_start.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_text.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/GrammarToken.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/model/decl/AltLabelStructDecl.java
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/codegen/OutputModelController.java
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```
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*/

tree grammar BlockSetTransformer;
options {
 language     = Java;
```

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

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

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

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

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

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

```
;

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

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

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

elementOptions
 : ^(ELEMENT_OPTIONS elementOption*)
 ;

elementOption
```

```
 : ID
 | ^(ASSIGN id=ID v=ID)
 | ^(ASSIGN ID v=STRING_LITERAL)
 | ^(ASSIGN ID v=ACTION)
 | ^(ASSIGN ID v=INT)
 ;
```

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/BlockSetTransformer.g
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```
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  */
```

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/gui/GraphicsSupport.java

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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.
*/

atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph ATN {
rankdir=LR;
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name>  {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges;
```

```
 separator="\n">
}
>>

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator="; ">}
>>

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>:p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
  label="
     <! rest(transition) tests for decision states: these nodes have a non-empty
 set of transitions after the first one. !>
     <if(rest(transitions))>
        {
        <! Label on the left side of the record node. !>
        <label>
        |
        <! Named ports in order on right side of record node, no display text. !>
        {<transitions:{t|\<p<i0>>}; separator="|">}}
     <else>
        <label>
     <endif>
     "
  <if(rest(transitions))>
     , shape=record, fixedsize=false
  <else>
     , shape=circle, fixedsize=true, width=.55
  <endif>
  , peripheries=1];
%>

stopstate(name,label,actionIndex,useBox) ::= <<
```

<name>[fontsize=11, label="<label><if(actionIndex)>,\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsize=false<else>shape=doublecircle, fixedsize=true,
width=.6<endif>];
>>

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/dot/graphs.stg
No license file was found, but licenses were detected in source scan.

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*/

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

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

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

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

<namedActions.header>
<parser>

>>

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

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

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

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

}; separator="\n">

>>


VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
```

```
 file.ANTLRVersion)>
from antlr4 import *
<header>

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

class <file.grammarName>Visitor(ParseTreeVisitor):

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

}; separator="\n">

>>


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

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

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

<endif>
<atn>

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

   grammarFileName = "<parser.grammarFileName>"

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

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

   sharedContextCache = PredictionContextCache()

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

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

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

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

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

  <parser:(ctor)()>

  <namedActions.members>

  <funcs; separator="\n">


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

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



>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
  if self._actions is None:
      actions = dict()
<recog.actionFuncs.values:{f|
      actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
      self._actions = actions
```

```
  action = self._actions.get(ruleIndex, None)
  if action is not None:
     action(localctx, actionIndex)
  else:
     raise Exception("No registered action for:" + str(ruleIndex))

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

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
   if self._predicates is None:
      preds = dict()
<recog.sempredFuncs.values:{f|
      preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
      self._predicates = preds
  pred = self._predicates.get(ruleIndex, None)
  if pred is not None:
     return pred(localctx, predIndex)
  else:
     raise Exception("No registered predicate for:" + str(ruleIndex))

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

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

>>

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

def <r.name>_action(self, localctx , actionIndex):
<actions:{index|
<if(first(actions))>
   if actionIndex == <index>:
      <actions.(index)>
<elseif(rest(actions))>
  elif actionIndex == <index>:
     <actions.(index)>
```

```
<endif> }; separator="\n">
>>

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

>>

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

<ruleCtx>

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

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

  localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a
| , <a.escapedName>}>)
  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.escapedName>(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.escapedName>}>)
  _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(tokens=look)>
  <alt>
  pass}; separator="\nel">
else:
  <error>

>>

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

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

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


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

```
>>

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

>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ ==
 <i>:
  <alt>
  pass
}; separator="\nel">

>>

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

>>

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
```

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

>>

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

>>

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

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

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.tokens)))><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
>>

bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<\< <offsetShiftVar(s.varName,
 bits.shift)>) & <bits.calculated>) != 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>
%>

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<t.type>}; separator=" or ">
%>

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

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argE
xprsChunks>)
>>

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

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

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

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

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

// ACTION STUFF

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

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

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

ExceptionClause(e, catchArg, catchAction)
 ::= <<
except <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.escapedName>"
LocalRef(a) ::= "localctx.<a.escapedName>"
RetValueRef(a) ::= "localctx.<a.escapedName>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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)     ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName>"
SetNonLocalAttr(s, rhsChunks)  ::= "self.getInvokingContext(<s.ruleIndex>).<s.escapedName> = <rhsChunks>"

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

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

ContextTokenGetterDecl(t)      ::= <<
def <t.escapedName>(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.escapedName>(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.escapedName>(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.escapedName>(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,signatures) ::= <<
class <struct.escapedName>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
```

```
  def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | , <a.escapedName>=None}>):
      super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)

 self.parser = parser
      <attrs:{a | <a>}; separator="\n">
      <struct.ctorAttrs:{a | self.<a.escapedName> = <a.escapedName>}; 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.escapedName> = ctx.<a.escapedName>}; separator="\n">

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

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.escapedName>(<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.escapedName> = <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.escapedName>"

/** 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, isListLabel) ::= <<
localctx = <parser.name>.<ctxName>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>)
>>

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

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

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

  channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channelNames)>,
<lexer.channelNames:{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) ::= <<
def serializedATN():
  return [
     <model.serialized: {s | <s>}; separator=",", wrap>
  ]
>>

/** 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"

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
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*/

/** templates used to generate make-compatible dependencies */

/** Generate "f : x, y, z" dependencies for input
* dependencies and generated files. in and out
* are File objects. For example, you can say

```
*  <f.canonicalPath>
*/
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>};
 separator="\n">
>>
```

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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 grammars 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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*/
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
  boolean withinOptionsBlock = false;
  while (i >= 0 && i < n) {
   int ttype = tokens.get(i).getType();
   if (withinOptionsBlock) {

```
    // Ignore rule options content
    if (ttype == OPTIONS) {
     withinOptionsBlock = false;
    }
   }
   else {
    if (ttype == RBRACE) {
     withinOptionsBlock = true;
    }
    else 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 descriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We alo trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

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

```
(
    // Single line comment, possibly with embedded src/line directives
    // in a similar style to the C pre-processor, allowing generated
    // code to refer the programmer back to the original source code
    // in case of error.
    //

  '/'
      (
          (' $ANTLR')=> ' $ANTLR' SRC
        | ~NLCHARS*
      )

    | // Multi-line comment, which may be a documentation comment
      // if it starts /** (note that we protect against 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;} )?
 ;

// ----------------
// 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 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'              ;
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    : '?'                  ;
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.setCharPositionInLine(state.tokenStartCharPositionInLine);
         grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
         }
    )
  ;

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

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

      | // A Java style Unicode escape sequence
        UNICODE_ESC
```

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

       | // An illegal escape 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 grammar 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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ANTLRLexer.g
No license file was found, but licenses were detected in source scan.


```
/*
* [The "BSD license"]
*  Copyright (c) 2012-2016 Terence Parr
*  Copyright (c) 2012-2016 Sam Harwell
*  Copyright (c) 2015 Janyou
*  All rights reserved.
```

```
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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.
*/

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) throws { }
 /**
  * {@inheritDoc\}
  *
  * \<p>The default implementation does nothing.\</p>
```

```
 */
 <accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) throws { }
 /**
  * {@inheritDoc\}
  *

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

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

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

```
 fatalError(#function + " must be overridden")
\}
}; separator="\n">
}
>>

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

/**
* This class provides an empty implementation of {@link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor\<T>: AbstractParseTreeVisitor\<T> {
 <file.visitorNames:{lname
|
/**
* {@inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}}; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> 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)>
<if(parser.rules)>
static let <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>
<endif>

<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>" }

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

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> [Int] { 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 _ATN = try! ATNDeserializer().deserialize(_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>:
 try <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("<file.ANTLRVersion>", 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) throws {
 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.escapedName>(<if(first(args))>_ <endif><args; separator=", _">) throws ->
<currentRule.ctxType> {
 var _localctx: <currentRule.ctxType>
 _localctx = <currentRule.ctxType>(_ctx, getState()<currentRule.args:{a | , <a.escapedName>}>)
 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.escapedName>( <if(first(args))>_ <endif><args; separator=", _">) throws ->
<currentRule.ctxType>    {
 return try <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>)
}
@discardableResult
private func <currentRule.escapedName>(_ _p<args:{a | , <a>}>:
 Int) throws -> <currentRule.ctxType>    {
 let _parentctx: ParserRuleContext? = _ctx
 let _parentState: Int = getState()
 var _localctx: <currentRule.ctxType>
 _localctx = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | , <a.escapedName>}>)
 var _prevctx: <currentRule.ctxType> = _localctx
 let _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(tokens=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(tokens=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.tokens)))><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) ::= <<
(Int64(<shiftAmount>) & ~0x3f) == 0
>>

bitsetBitfieldComparison(s, bits) ::= <<
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((Int64(1) \<\< <offsetShift(s.varName,
bits.shift)>) & <bits.calculated>) != 0)
>>

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

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName> == <parser.name>.Tokens.<t.name>.rawValue}; separator=" || ">
%>

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

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>)
<if(r.labels)>
try {
  let assignmentValue = try
<r.escapedName>(<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.escapedName>(<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.escapedName>.rawValue)
  <m.labels:{l | <labelref(l)> = assignmentValue}  ; separator="\n">
   }()
<else>try match(<parser.name>.Tokens.<m.escapedName>.rawValue)<endif>
>>

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

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

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

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

// ACTION STUFF

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

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

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
```

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

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

// lexer actions are not associated with model objects

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

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

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"
LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValueRef(a) ::= "_localctx.<a.escapedName>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.escapedName>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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.escapedName>"
SetNonLocalAttr(s, rhsChunks)   ::=
 "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.escapedName> = <rhsChunks>"

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

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

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

```
 func <r.escapedName>() -> <r.ctxName>? {
  return getRuleContext(<r.ctxName>.self, 0)
 }
>>
ContextRuleListGetterDecl(r) ::= <<
 <accessLevelOpenOK(parser)>
 func <r.escapedName>() -> [<r.ctxName>] {
  return getRuleContexts(<r.ctxName>.self)
 }
>>
ContextRuleListIndexedGetterDecl(r)   ::= <<
 <accessLevelOpenOK(parser)>
 func <r.escapedName>(_ 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,signatures,
        superClass={ParserRuleContext}) ::= <<

<accessLevelNotOpen(parser)> class <struct.escapedName>:
<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.escapedName> = <a.escapedName>;}; 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.escapedName>
  <struct.attrs:{a | self.<a.escapedName> = ctx.<a.escapedName>;}; separator="\n">
 }
<endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)> class <struct.escapedName>: <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.escapedName>: <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.escapedName>"

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

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

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.append(_prevctx)
<else>
_localctx.<label> = _prevctx
<endif>
<endif>
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)>
 <if(lexer.tokens)>
 static let <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>
 <endif>
```

```
<if(lexer.escapedChannels)>
<accessLevelNotOpen(lexer)>
static let <lexer.escapedChannels:{k | <k>=<lexer.escapedChannels.(k)>}; separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.escapedModeNames))>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.escapedModeNames):{m| <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static
let channelNames: [String] = [
 "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{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() -> [Int] { 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 _ATN: ATN = try! ATNDeserializer().deserialize(_serializedATN)
}
>>

SerializedATN(model) ::= <<
static let _serializedATN:[Int] = [
 <model.serialized: {s | <s>}; separator=",", wrap>
]
>>

/** 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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg
No license file was found, but licenses were detected in source scan.

```
/*
* [The "BSD license"]
*  Copyright (c) 2012-2016 Terence Parr
*  Copyright (c) 2012-2016 Sam Harwell
*  All rights reserved.
*
```

```
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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.
*/

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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ActionSplitter.g
No license file was found, but licenses were detected in source scan.

```
// Copyright 2016-2022 The ANTLR Project. All rights reserved.
// Licensed under the BSD-3-Clause license. See LICENSE file in the project root for license information.
```

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/TypeScript/TypeScript.stg
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```
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*  are met:
*
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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.
*/

// 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="<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] <file.parserName>.<lname; format="cap">Context context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<lname; format="cap">([NotNull] <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.Diagnostics.DebuggerNonUserCode]
[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] <file.parserName>.<lname; format="cap">Context
context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context
context) { \}}; separator="\n">

 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
```

```
 public
 virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
 /// \<inheritdoc/>
 /// \<remarks>The default implementation does nothing.\</remarks>
 public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<file.parserName>"/>.
///
 \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor\<Result> : IParseTreeVisitor\<Result> {
 <file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context context);};
```

```
separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
 file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}"/>,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor\<Result> : AbstractParseTreeVisitor\<Result>,
I<file.grammarName>Visitor\<Result> {
 <file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the \<c><lname>\</c>
///
 labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>"/>.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result\}.VisitChildren(IRuleNode)"/>
/// on \<paramref name="context"/>.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<lname; format="cap">([NotNull] <file.parserName>.<lname; format="cap">Context
```

```
context) { return VisitChildren(context); \}}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//------------------------------------------------------------------------------
// \<auto-generated>
//     This code was generated by a tool.
//     ANTLR Version: <ANTLRVersion>
//
//     Changes to this file may
 cause incorrect behavior and will be lost if
//     the code is regenerated.
// \</auto-generated>
//------------------------------------------------------------------------------

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

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

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <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>
 <if(parser.rules)>
```

```
 public const int
  <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
 <endif>
 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 int[] SerializedAtn { get { return _serializedATN; } }

 static <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 <parser.name>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

 public <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>
<currentRule.escapedName>(<args; separator=", ">) {
 <currentRule.ctxType>
 _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | , <a.escapedName>}>);
 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>
<currentRule.escapedName>(<args; separator=", ">) {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<a.escapedName>}>);
 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>
<currentRule.escapedName>(<args; separator=", ">) {
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context,
 State<currentRule.args:{a | , <a.escapedName>}>);
 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>
<currentRule.escapedName>(<args; separator=", ">) {
 return <currentRule.escapedName>(0<currentRule.args:{a | , <a.escapedName>}>);
```

```
}

private <currentRule.ctxType>
 <currentRule.escapedName>(int _p<args:{a | , <a>}>) {
 ParserRuleContext _parentctx = Context;
 int _parentState = State;
 <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<a.escapedName>}>);
 <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(tokens=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(tokens=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.tokens)))><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.tokens contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
<bits.calculated>L) != 0)
%>
```

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

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

bitsetInlineComparison(s, bits) ::= <%
<bits.tokens:{t | <s.varName>==<tokenType.(t.name)>}; separator=" || ">
%>

cases(tokens) ::= <<
<tokens:{t | case <tokenType.(t.name)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.escapedName>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprs
Chunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

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

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

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
 <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
 ErrorHandler.ReportMatch(this);
   Consume();
}
>>
```

```
Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

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

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

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

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

// lexer actions are not associated with model objects

LexerSkipCommand()  ::= "Skip();"
LexerMoreCommand()  ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar)      ::= "_type = <tokenType.(arg)>;"
LexerChannelCommand(arg, grammar)   ::= "_channel = <channelName.(arg)>;"
LexerModeCommand(arg, grammar)      ::= "_mode = <modeName.(arg)>;"
LexerPushModeCommand(arg, grammar)  ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.escapedName>"
LocalRef(a) ::= "_localctx.<a.escapedName>"
RetValueRef(a) ::= "_localctx.<a.escapedName>"
QRetValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.escapedName>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<tokenType.(t.escapedName)>"
LabelRef(t) ::= "<ctx(t)>.<t.escapedName>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.escapedName)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.escapedName> = <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>)).<s.escapedName>%>
SetNonLocalAttr(s, rhsChunks)   ::=
 <%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<s.escapedName> =
<rhsChunks>;%>

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

TokenDecl(t) ::= "<TokenLabelType()> <tokenType.(t.escapedName)>"
TokenTypeDecl(t)
 ::= "int <tokenType.(t.escapedName)>;"
TokenListDecl(t) ::= "IList\<IToken> <tokenType.(t.escapedName)> = new List\<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.escapedName>"
RuleContextListDecl(rdecl) ::= "IList\<<rdecl.ctxName>> <rdecl.escapedName> = new List\<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>
```

```
ContextTokenGetterDecl(t)      ::=
   "[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <tokenType.(t.name)>() { return
GetToken(<parser.name>.<tokenType.(t.name)>, 0); }"
ContextTokenListGetterDecl(t)  ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection("ITerminalNode")>
<tokenType.(t.name)>() { return GetTokens(<parser.name>.<tokenType.(t.name)>); }
>>
ContextTokenListIndexedGetterDecl(t)  ::= <<
[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <tokenType.(t.name)>(int i) {
 return GetToken(<parser.name>.<tokenType.(t.name)>, i);
}
>>
ContextRuleGetterDecl(r)       ::= <<
[System.Diagnostics.DebuggerNonUserCode]
 public <r.ctxName> <r.escapedName>() {
 return GetRuleContext\<<r.ctxName>\>(0);
}
>>
ContextRuleListGetterDecl(r)   ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection({<r.ctxName>})>
<r.escapedName>() {
 return GetRuleContexts\<<r.ctxName>\>();
}
>>
ContextRuleListIndexedGetterDecl(r)   ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <r.escapedName>(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,signatures,
        superClass={ParserRuleContext}) ::= <<
public partial class <struct.escapedName> :
```

```
<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.escapedName>(ParserRuleContext parent, int invokingState) : base(parent,
invokingState) { }<endif>
 public <struct.escapedName>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>)
  : base(parent, invokingState)
 {
  <struct.ctorAttrs:{a | this.<a.escapedName> = <a.escapedName>;}; separator="\n">
 }
 public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
 public <struct.escapedName>() { }
 public virtual void CopyFrom(<struct.escapedName> context) {
  base.CopyFrom(context);
  <struct.attrs:{a
 | this.<a.escapedName> = context.<a.escapedName>;}; separator="\n">
 }
<endif>
 <dispatchMethods; separator="\n">
 <extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public partial class <struct.escapedName> : <currentRule.name; format="cap">Context {
 <attrs:{a | public <a>;}; separator="\n">
 <getters:{g | <g>}; separator="\n">
 public <struct.escapedName>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
 <dispatchMethods; separator="\n">
}
>>

ListenerDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
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) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
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> <d.escapedName><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><x.escapedName>"

/** 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 <lexer.name> : <superClass; null="Lexer"> {
 protected static DFA[] decisionToDFA;
 protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
 <if(lexer.tokens)>
 public
 const int
  <lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
 <endif>
 <if(lexer.escapedChannels)>
 public const int
  <lexer.escapedChannels:{k | <k>=<lexer.escapedChannels.(k)>}; separator=", ", wrap, anchor>;
 <endif>
```

```
<if(rest(lexer.escapedModeNames))>
public const int
 <rest(lexer.escapedModeNames):{m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
 "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channelNames)>, <lexer.channelNames:{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 <lexer.name>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <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 int[] SerializedAtn { get { return _serializedATN; } }

static <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 int[] _serializedATN = {
 <model.serialized: {s | <s>}; 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
]
```

Found in path(s):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
No license file was found, but licenses were detected in source scan.

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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.
*/
/*
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):
* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg
No license file was found, but licenses were detected in source scan.

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* /antlr4-4-13-0-sources-1-jar/org/antlr/v4/parse/ANTLRLexer.java

1.123 google-golang-org-grpc 1.56.3

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1.124 json-java 20231013

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1.125 okio 3.6.0

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* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Md5.kt
* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Sha1.kt
* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Sha256.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/FileHandle.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/Okio.kt
* /okio-3-6-0-sources-jar/commonMain/okio/Timeout.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/RealBufferedSink.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/Buffer.kt
* /okio-3-6-0-sources-jar/commonMain/okio/BufferedSink.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/Timeout.kt
*
 /okio-3-6-0-sources-jar/commonMain/okio/Buffer.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/BufferedSink.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/Sink.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/BufferedSource.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/Buffer.kt
* /okio-3-6-0-sources-jar/commonMain/okio/RealBufferedSource.kt
* /okio-3-6-0-sources-jar/commonMain/okio/Sink.kt
* /okio-3-6-0-sources-jar/commonMain/okio/Source.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/internal/-Utf8.kt
* /okio-3-6-0-sources-jar/nonAppleMain/okio/ByteString.kt
* /okio-3-6-0-sources-jar/commonMain/okio/Util.kt
* /okio-3-6-0-sources-jar/commonMain/okio/CommonPlatform.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/ByteString.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/NonJvmPlatform.kt
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 /okio-3-6-0-sources-jar/commonMain/okio/ByteString.kt
* /okio-3-6-0-sources-jar/appleMain/okio/ByteString.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/internal/RealBufferedSource.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/SegmentedByteString.kt
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* /okio-3-6-0-sources-jar/commonMain/okio/Segment.kt
* /okio-3-6-0-sources-jar/commonMain/okio/SegmentPool.kt
* /okio-3-6-0-sources-jar/commonMain/okio/ForwardingSource.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/SegmentPool.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/ForwardingSource.kt
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* /okio-3-6-0-sources-jar/nativeMain/okio/Cinterop.kt
* /okio-3-6-0-sources-jar/unixMain/okio/UnixPosixVariant.kt
* /okio-3-6-0-sources-jar/commonMain/okio/internal/Path.kt
* /okio-3-6-0-sources-jar/linuxMain/okio/LinuxPosixVariant.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/PosixFileSystem.kt
* /okio-3-6-0-sources-jar/hashFunctions/okio/internal/Hmac.kt
*
 /okio-3-6-0-sources-jar/nativeMain/okio/PosixVariant.kt
* /okio-3-6-0-sources-jar/commonMain/okio/HashingSource.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/FileSource.kt
* /okio-3-6-0-sources-jar/appleMain/okio/ApplePosixVariant.kt
* /okio-3-6-0-sources-jar/nativeMain/okio/FileSink.kt
* /okio-3-6-0-sources-jar/commonMain/okio/FileSystem.kt
* /okio-3-6-0-sources-jar/commonMain/okio/HashingSink.kt
* /okio-3-6-0-sources-jar/commonMain/okio/FileMetadata.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/Path.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/HashingSink.kt
* /okio-3-6-0-sources-jar/commonMain/okio/ForwardingFileSystem.kt
* /okio-3-6-0-sources-jar/commonMain/okio/ExperimentalFileSystem.kt
* /okio-3-6-0-sources-jar/nonJvmMain/okio/HashingSource.kt
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1.126 libcxxabi 1.1.10.5

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Manifest-Version: 1.0
Bnd-LastModified: 1695799258578
Bundle-ActivationPolicy: lazy
Bundle-Activator: org.xerial.snappy.SnappyBundleActivator
Bundle-Description: snappy-java: A fast compression/decompression libr
ary
Bundle-DocURL: http://www.xerial.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: snappy-java: A fast compression/decompression library
Bundle-NativeCode: org/xerial/snappy/native/Windows/x86_64/snappyjava.
dll;osname=win32;processor=x86-64,org/xerial/snappy/native/Windows/x8
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o;osname=sunos;processor=x86-64,org/xerial/snappy/native/SunOS/sparc/
libsnappyjava.so;osname=sunos;processor=sparc
Bundle-SymbolicName: org.xerial.snappy.snappy-java
Bundle-Vendor: xerial.org
Bundle-Version: 1.1.10.5
Created-By: 11.0.20 (Azul Systems, Inc.)
Export-Package: org.xerial.snappy;uses:="org.osgi.framework,org.xerial
.snappy.buffer,org.xerial.snappy.pool";version="1.1.10",org.xerial.sn
appy.buffer;version="1.1.10",org.xerial.snappy.pool;version="1.1.10"
Implementation-Title: snappy-java
Implementation-URL: https://github.com/xerial/snappy-java
Implementation-Vendor: xerial.org
Implementation-Vendor-Id: org.xerial.snappy
Implementation-Version: 1.1.10.5
Import-Package: org.osgi.framework;version="[1.5,2)"
Private-Package:
org.xerial.snappy.native.AIX.ppc,org.xerial.snappy.na
tive.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86_64,org.xerial.sna
ppy.native.Linux.aarch64,org.xerial.snappy.native.Linux.android-aarch
64,org.xerial.snappy.native.Linux.android-arm,org.xerial.snappy.nativ
e.Linux.arm,org.xerial.snappy.native.Linux.armv6,org.xerial.snappy.na
tive.Linux.armv7,org.xerial.snappy.native.Linux.ppc,org.xerial.snappy
.native.Linux.ppc64,org.xerial.snappy.native.Linux.ppc64le,org.xerial
.snappy.native.Linux.riscv64,org.xerial.snappy.native.Linux.s390x,org
.xerial.snappy.native.Linux.x86,org.xerial.snappy.native.Linux.x86_64
,org.xerial.snappy.native.Mac.aarch64,org.xerial.snappy.native.Mac.x8
6,org.xerial.snappy.native.Mac.x86_64,org.xerial.snappy.native,org.xe
rial.snappy.native.SunOS.sparc,org.xerial.snappy.native.SunOS.x86,org
.xerial.snappy.native.SunOS.x86_64,org.xerial.snappy.native.Windows.a

arch64,org.xerial.snappy.native.Windows.x86,org.xerial.snappy.native.
Windows.x86_64
Require-Capability:
 osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: snappy-java
Specification-Vendor: xerial.org
Specification-Version: 1.1.10.5
Tool: Bnd-5.1.2.202007211702

Found in path(s):
* /snappy-java-1-1-10-5-jar/META-INF/MANIFEST.MF

1.127 guava 32.1.3-jre

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1.128 okhttp 4.12.0

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1.129 confluent-kafka 2.3.0

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/* crc32c.c -- compute CRC-32C using the Intel crc32 instruction

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---
src/xxhash.[ch] src/lz4*.[ch]: git@github.com:lz4/lz4.git e2827775ee80d2ef985858727575df31fc60f1f3

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regexp.c and regexp.h from https://github.com/ccxvii/minilibs sha 875c33568b5a4aa4fb3dd0c52ea98f7f0e5ca684

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1.130 kotlin-script-runtime 1.7.20

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1.132 checker-qual 3.37.0

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1.134 stax 4.2.2

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1.135 snappy-java 1.1.10.5

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Manifest-Version: 1.0
Bnd-LastModified: 1695799258578
Bundle-ActivationPolicy: lazy
Bundle-Activator: org.xerial.snappy.SnappyBundleActivator
Bundle-Description: snappy-java: A fast compression/decompression libr
ary
Bundle-DocURL: http://www.xerial.org/
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: snappy-java: A fast compression/decompression library
Bundle-NativeCode: org/xerial/snappy/native/Windows/x86_64/snappyjava.
dll;osname=win32;processor=x86-64,org/xerial/snappy/native/Windows/x8
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Bundle-SymbolicName: org.xerial.snappy.snappy-java
Bundle-Vendor: xerial.org
Bundle-Version: 1.1.10.5
Created-By: 11.0.20 (Azul Systems, Inc.)
Export-Package: org.xerial.snappy;uses:="org.osgi.framework,org.xerial
.snappy.buffer,org.xerial.snappy.pool";version="1.1.10",org.xerial.sn
appy.buffer;version="1.1.10",org.xerial.snappy.pool;version="1.1.10"
Implementation-Title: snappy-java

Implementation-URL: https://github.com/xerial/snappy-java
Implementation-Vendor: xerial.org
Implementation-Vendor-Id: org.xerial.snappy
Implementation-Version: 1.1.10.5
Import-Package: org.osgi.framework;version="[1.5,2)"
Private-Package:
 org.xerial.snappy.native.AIX.ppc,org.xerial.snappy.na
tive.AIX.ppc64,org.xerial.snappy.native.FreeBSD.x86_64,org.xerial.sna
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arch64,org.xerial.snappy.native.Windows.x86,org.xerial.snappy.native.
Windows.x86_64
Require-Capability:
 osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Specification-Title: snappy-java
Specification-Vendor: xerial.org
Specification-Version: 1.1.10.5
Tool: Bnd-5.1.2.202007211702

Found in path(s):
* /snappy-java-1-1-10-5-1-jar/META-INF/MANIFEST.MF

1.136 netty-tcnative-boringssl-static 2.0.62.Final

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* /netty-tcnative-boringssl-static-2-0-52-final-jar/META-INF/maven/io.netty/netty-tcnative-boringssl-static/pom.xml
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Manifest-Version: 1.0
Implementation-Title: Netty/TomcatNative [BoringSSL - Static]
Bundle-Description: A Mavenized fork of Tomcat Native which incorporat
es various patches. This artifact is statically linked to BoringSS
L and Apache APR.
Automatic-Module-Name: io.netty.internal.tcnative.openssl.osx.x86_64
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-SymbolicName: io.netty.tcnative-boringssl-static
Implementation-Version: 2.0.52.Final
Built-By: norman
Bnd-LastModified: 1651736837594
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Fragment-Host: io.netty.tcnative-classes
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/TomcatNative [BoringSSL - Static]
Bundle-Version: 2.0.52.Final
Build-Jdk-Spec: 1.8
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL:
https://github.com/netty/netty-tcnative/netty-tcna
tive-boringssl-static/

Found in path(s):
* /netty-tcnative-boringssl-static-2-0-52-final-jar/META-INF/MANIFEST.MF

1.137 crt-core 2.22.0

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1.144 gcompat 1.1.0-r4

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1.145 zlib 1.2.13

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1.146 zlib 1.3.1

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1.147 lz4-java 1.8.0

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1.148 example2 1.0.0

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* /it-tidalwave-netbeans-examples-nodes-example2-1-0-0-sources-1-jar/it/tidalwave/netbeans/examples/nodes/example2/view/HiddenFilesInItalicsDecorator.java
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1.149 joda-time 2.12.7

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1.150 aws-json-protocol 2.22.12

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1.178 jackson-databind 2.16.2

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.179 jackson 2.16.2

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1.180 angus-activation 2.0.2

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1.181 protobuf 1.33.0

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1.189 jna 5.13.0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library
together in an executable that you
distribute.

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

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

b) Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute
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refrain entirely from distribution of the Library.

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

<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if

necessary. Here is a sample; alter the names:

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

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

That's all there is to it!
==========
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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Version 3, 29 June 2007

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0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser
General Public License, and the "GNU GPL" refers to version 3 of the GNU
General Public License.

"The Library" refers to a covered work governed by this License,
other than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided
by the Library, but which is not otherwise based on the Library.
Defining a subclass of a class defined by the Library is deemed a mode
of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source
for the Combined Work, excluding any source code
for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

a) under this License, provided that you make a good
faith effort to
ensure that, in the event an Application does not supply the
function or data, the facility still operates, and performs
whatever part of its purpose remains meaningful, or

b) under the GNU GPL, with none of the additional permissions of
this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

a) Give prominent notice with each copy of the object code that the

Library is used in it and that the Library and its use are
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4. Combined Works.

You may convey a Combined Work under terms of your choice that,
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b) Accompany the Combined Work with a copy of the GNU GPL and this license
document.

c) For a Combined Work that displays copyright notices during
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these notices, as well as a reference directing the user to the
copies of the GNU GPL and this license document.

d) Do one of the following:

0) Convey the Minimal Corresponding Source under the terms of this
License, and the Corresponding Application
Code in a form
suitable for, and under terms that permit, the user to
recombine or relink the Application with a modified version of
the Linked Version to produce a modified Combined Work, in the
manner specified by section 6 of the GNU GPL for conveying
Corresponding Source.

1) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (a) uses at run time
a copy of the Library already present on the user's computer
system, and (b) will operate properly with a modified version
of the Library that is interface-compatible with the Linked
Version.

e) Provide Installation Information, but only if you would otherwise
be required to provide such information under section 6 of the
GNU GPL, and only to the extent that such information is

necessary to install and execute a modified version of the
Combined Work produced by recombining or relinking the

Application with a modified version of the Linked Version. (If
you use option 4d0, the Installation Information must accompany
the Minimal Corresponding Source and Corresponding Application
Code. If you use option 4d1, you must provide the Installation
Information in the manner specified by section 6 of the GNU GPL
for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the
Library side by side in a single library together with other library
facilities that are not Applications and are not covered by this
License, and convey such a combined library under terms of your
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a) Accompany the combined library with a copy of the same work based
on the Library, uncombined with any other library facilities,
conveyed under the terms of this License.

b) Give prominent notice with the combined library that part of it
is a work based on the Library, and explaining
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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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Preamble

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your libraries, too.

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this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

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

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

Our method of protecting your rights has two steps: (1) copyright

the library, and (2) offer you this license which gives you legal
permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain
that everyone understands that there is no warranty for this free
library. If the library is modified by someone else and passed on, we
want its recipients to know that what they have is not the original
version, so that any problems introduced by others will not reflect on
the original authors' reputations.
.
Finally, any free program is threatened constantly by software
patents. We wish to avoid the danger that companies distributing free
software will individually obtain patent licenses, thus in effect
transforming the program into proprietary software. To prevent this,
we have made it clear that any patent must
be licensed for everyone's
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Most GNU software, including some libraries, is covered by the ordinary
GNU General Public License, which was designed for utility programs. This
license, the GNU Library General Public License, applies to certain
designated libraries. This license is quite different from the ordinary
one; be sure to read it in full, and don't assume that anything in it is
the same as in the ordinary license.

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

Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We
concluded that weaker conditions might promote sharing better.

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

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

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

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

a) The modified work must itself be a software library.

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

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or

linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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No source code of the original library was modified.
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The primary ANTLR guy:

Terence Parr
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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
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1.190 xxhash 2.3.0

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1.191 jaraco-functools 4.0.1

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1.192 githubcomgolangprotobuf 1.5.3

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1.193 websocket-client 1.8.0

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1.194 schema-registry-common 1.1.19

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* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/AWSSchemaNamingStrategyDefaultImpl.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/exception/GlueSchemaRegistryIncompatibleDataException.java
*
 /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/GlueSchemaRegistryDataFormatSerializer.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/AWSSchemaRegistryGlueClientRetryPolicyHelper.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/GlueSchemaRegistryCompressionFactory.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/AWSSchemaRegistryConstants.java
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* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/caching/GlueSchemaRegistryCache.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/Schema.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/GlueSchemaRegistryUtils.java

* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/GlueSchemaRegistryDataFormatDeserializer.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/GlueSchemaRegistryDefaultCompression.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/AvroRecordType.java
* /schema-registry-common-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/common/GlueSchemaRegistryCompressionHandler.java
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1.195 aws-crt-client 2.22.0

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1.196 secretsmanager 2.22.0

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1.204 j2objc-annotations 3.0.0

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* /j2objc-annotations-3-0-0-jar/META-INF/maven/com.google.j2objc/j2objc-annotations/pom.xml

1.205 failureaccess 1.0.2

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* /failureaccess-1-0-2-sources-1-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java
* /failureaccess-1-0-2-sources-1-jar/com/google/common/util/concurrent/internal/InternalFutures.java

1.206 aws-query-protocol 2.22.13

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* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_buffer.c
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* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/package-info.java
*
/netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/IovArray.java
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* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/UnixChannel.java
*
 /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_filedescriptor.h
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_socket.h
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/Socket.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_filedescriptor.c
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/DatagramSocketAddress.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/DomainSocketChannel.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/Errors.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_errors.h
*
 /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/NativeInetAddress.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_socket.c
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/DomainSocketReadMode.java
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jar/io/netty/channel/unix/SegmentedDatagramPacket.java
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jar/io/netty/channel/unix/DomainDatagramPacket.java
* /netty-transport-native-unix-common-4-1-109-final-sources-2-
jar/io/netty/channel/unix/DomainDatagramChannelConfig.java
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jar/io/netty/channel/unix/DomainDatagramSocketAddress.java
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* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_limits.c
*
 /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/netty_unix_util.h
* /netty-transport-native-unix-common-4-1-109-final-sources-2-jar/io/netty/channel/unix/PeerCredentials.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ValueConverter.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/CharSequenceValueConverter.java

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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
 <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment   = 0
* initialBytesToStrip = 0 (= do not strip header)
*

```
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content
 |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
 * </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
*     represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples.  However, in some protocols, the
* length field represents the length of the whole message, including the
* message header.  In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual
```

```
 Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example.  An extra
* header value is prepended to the message.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                 AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
 |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body.  You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                 AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO,
 WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field</h3>
*
```

```
* This is a combination of all the examples above.  There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>.  We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame.  If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
 LEN)
*
* BEFORE DECODE (16 bytes)                  AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field, the length field
*     represents the length of the whole message</h3>
*
* Let's give another twist to the previous example.  The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
 the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   =  1
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)                  AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
* @see LengthFieldPrepender
*/
```

Found in path(s):

* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DateFormatter.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/string/LineEncoder.java
*
 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DatagramPacketEncoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/SnappyOptions.java
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*/
/*
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* https://creativecommons.org/licenses/publicdomain
*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="https://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
```

```
 * The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/base64/Base64.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/BrotliEncoder.java
*
 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/BrotliOptions.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Zstd.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZstdEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Brotli.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/GzipOptions.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/base64/Base64Decoder.java
*
 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DecoderResult.java

* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/JZlibEncoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /netty-codec-4-1-109-final-sources-2-
jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
*
/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/package-info.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/CorruptedFrameException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/TooLongFrameException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/CodecException.java
*
/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/string/StringEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
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/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/Delimiters.java
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* /netty-codec-4-1-109-final-sources-2-
jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ReplayingDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/string/StringDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
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/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java

* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/base64/package-info.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DecoderException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
*
 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/package-info.java
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 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/bytes/package-info.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Snappy.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
*
 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/serialization/package-info.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ProtocolDetectionResult.java
*
/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /netty-codec-4-1-109-final-sources-2-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
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* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
*
/netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /netty-codec-4-1-109-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java

* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
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 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/json/package-info.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/MessageAggregationException.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/DecoderResultProvider.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
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 /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-codec-4-1-109-final-sources-2-jar/io/netty/handler/codec/compression/LzfDecoder.java

1.210 netty-codec-http 4.1.109.Final

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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2MultiplexHandler.java
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 /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/MaxCapacityQueue.java
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jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2StreamVisitor.java

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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandlerBuilder.java
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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2GoAwayFrame.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ResetFrame.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2Frame.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2FrameListenerDecorator.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersEncoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2FrameReader.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionDecoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2FlowController.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersEncoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2Headers.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2Exception.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2Stream.java
*
 /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/EmptyHttp2Headers.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersDecoder.java
* /netty-codec-http2-4-1-109-final-sources-
jar/io/netty/handler/codec/http2/DelegatingDecompressorFrameListener.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2LocalFlowController.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2ServerUpgradeCodec.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2Error.java

* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2FrameReader.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersDecoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionEncoder.java
*
 /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2NoMoreStreamIdsException.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapter.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2FrameWriter.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2RemoteFlowController.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2CodecUtil.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2EventAdapter.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionDecoder.java
* /netty-codec-http2-4-1-109-final-sources-
jar/io/netty/handler/codec/http2/CompressorHttp2ConnectionEncoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2DataWriter.java
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 /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2LifecycleManager.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2Settings.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2Connection.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HpackDynamicTable.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HpackUtil.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HpackHeaderField.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/HpackDecoder.java
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* /netty-codec-http2-4-1-109-final-sources-
jar/io/netty/handler/codec/http2/Http2EmptyDataFrameConnectionDecoder.java
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* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/Http2PriorityFrame.java
* /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PriorityFrame.java
*
 /netty-codec-http2-4-1-109-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2PushPromiseFrame.java

1.211 netty-resolver 4.1.109.Final

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* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/InetNameResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/AbstractAddressResolver.java
*
 /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/DefaultNameResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/InetSocketAddressResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/HostsFileEntriesResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/CompositeNameResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/HostsFileParser.java
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* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/NameResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/AddressResolverGroup.java
*
 /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/NoopAddressResolver.java
* /netty-resolver-4-1-109-final-sources-1-jar/io/netty/resolver/package-info.java

1.212 netty-handler 4.1.109.Final

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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
*
 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/LazyJavaxX509Certificate.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ClientAuth.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/logging/LogLevel.java
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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/stream/ChunkedFile.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/IdleStateEvent.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/TimeoutException.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/stream/ChunkedNioStream.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/logging/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/stream/ChunkedNioFile.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/IdleState.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/stream/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/NotSslRecordException.java
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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/ReadTimeoutException.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/timeout/WriteTimeoutHandler.java
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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/PseudoRandomFunction.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/IPPacket.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/EthernetPacket.java
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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/UDPPacket.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/PcapWriter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/pcap/TCPPacket.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
*
 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSsl.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/PemReader.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslProvider.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SniHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
*
 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkSslContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
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/netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslUtils.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkSslServerContext.java
*
/netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslServerContext.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
*
 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionId.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslAsyncPrivateKeyMethod.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/BouncyCastle.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/GroupsConverter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/Ciphers.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslProtocols.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSessionCache.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslClientSessionCache.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
*
 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java

* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslSession.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java

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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/Java8SslUtils.java
*
/netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/flush/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/PemEncoded.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/PemX509Certificate.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/flow/package-info.java
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/netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/PemPrivateKey.java

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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/Conscrypt.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ocsp/package-info.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SniCompletionEvent.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
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* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ipfilter/IpSubnetFilterRuleComparator.java
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 /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslClosedEngineException.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
* /netty-handler-4-1-109-final-sources-2-jar/io/netty/handler/logging/ByteBufFormat.java
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1.213 netty-buffer 4.1.109.Final

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* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/WrappedCompositeByteBuf.java

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/netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java

* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java

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* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
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* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/AbstractByteBuf.java
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* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/PooledByteBufAllocator.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/package-info.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/PoolSubpage.java
* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/DuplicatedByteBuf.java
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* /netty-buffer-4-1-109-final-sources-jar/io/netty/buffer/ByteBufUtil.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscArrayQueue.java
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java
* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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* /netty-common-4-1-109-final-sources-1-
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/netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseSpscLinkedAtomicArrayQueue.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/PortableJvmInfo.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscUnboundedAtomicArrayQueue.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/EmptyPriorityQueue.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/LongAdderCounter.java
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/netty-common-4-1-109-final-sources-1-jar/io/netty/util/SuppressForbidden.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/ObjectCleaner.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/PriorityQueue.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/SucceededFuture.java
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 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Attribute.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/JdkLoggerFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/AbstractInternalLogger.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/AttributeKey.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/DefaultEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/DefaultAttributeMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/SingleThreadEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/package-info.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Timeout.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/PlatformDependent.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/EventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/FailedFuture.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/HashedWheelTimer.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/NetUtil.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Signal.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Constant.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/EventExecutorGroup.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/Slf4JLogger.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/InternalLoggerFactory.java
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 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Timer.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/Slf4JLoggerFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/BlockingOperationException.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/package-info.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/SystemPropertyUtil.java
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/netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/AbstractEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/AppendableCharSequence.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/ResourceLeak.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/ProgressiveFuture.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/PromiseTask.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/DefaultPromise.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Version.java

* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/ResourceLeakException.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/AbstractReferenceCounted.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/DefaultProgressivePromise.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/FutureListener.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/GenericFutureListener.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/Promise.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/ImmediateEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/NoOpTypeParameterMatcher.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/HashingStrategy.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/DefaultPriorityQueue.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/LongCounter.java
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 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/PriorityQueueNode.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/AsyncMapping.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/ThreadProperties.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/ThreadDeathWatcher.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/NativeLibraryLoader.java
*
 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/InternalThreadLocalMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/ResourceLeakHint.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/IntegerHolder.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/PromiseNotifier.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/Mapping.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/AsciiString.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/PromiseAggregator.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/DomainNameMapping.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/FastThreadLocal.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/ByteCollections.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/CharObjectHashMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/CharCollections.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/IntObjectMap.java
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 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/ShortCollections.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/CharObjectMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/ShortObjectHashMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/LongObjectMap.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/LongCollections.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/ByteObjectHashMap.java
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/netty-common-4-1-109-final-sources-1-jar/io/netty/util/collection/ByteObjectMap.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/Cleaner.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/CleanerJava9.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/DomainNameMappingBuilder.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
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 /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/ResourceLeakDetectorFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/IntSupplier.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/OrderedEventExecutor.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/ConstantTimeUtils.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/PromiseCombiner.java
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* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/OutOfDirectMemoryError.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/UnstableApi.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/MacAddressUtil.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/logging/Log4J2Logger.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/NativeLibraryUtil.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
* /netty-common-4-1-109-final-sources-1-jar/io/netty/util/internal/SocketUtils.java
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 </repository>
</distributionManagement>

<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

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  <name>Apache
License, Version 2.0</name>
  <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  <distribution>repo</distribution>
 </license>
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</licenses>

<scm>
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 <connection>scm:git:https://github.com/JCTools/JCTools</connection>
 <tag>HEAD</tag>
</scm>

<developers>
 <developer>
  <url>https://github.com/nitsanw</url>
 </developer>
 <developer>
  <url>https://github.com/mjpt777</url>
 </developer>
 <developer>
  <url>https://github.com/RichardWarburton</url>
 </developer>
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  <url>https://github.com/kay</url>
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  <url>https://github.com/franz1981</url>
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 <maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
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 <junit.version>4.12</junit.version>
 <guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>
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Found

in path(s):
* /netty-common-4-1-109-final-sources-1-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

1.215 netty-transport 4.1.109.Final

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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/SimpleChannelPool.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
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 /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/ChannelPool.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/pool/package-info.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelHandlerAdapter.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelOutboundBuffer.java
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*
 /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/SimpleChannelInboundHandler.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelProgressivePromise.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*

```
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:
* <ul>
* <li>{@link
 ChannelInboundHandler} to handle inbound I/O events, and</li>
* <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* <p>
* For more information, please refer to the documentation of each subtype.
* </p>
*
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object.  A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object.  Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
 or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
```

```
*            authenticate((LoginMessage) message);
*            <b>loggedIn = true;</b>
*        } else (message instanceof GetDataMessage) {
*            if (<b>loggedIn</b>) {
*                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*            } else {
*                fail();
*            }
*
 }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
 * <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*             {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
```

```
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the
 state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create
 a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
```

```
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {@link ChannelHandler}, and
* {@link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a  pipeline,  and how to handle
* the operation in your application.
*/
```

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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
*
 /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/PendingBytesTracker.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/internal/ChannelUtils.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/bootstrap/FailedChannel.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/oio/AbstractOioMessageChannel.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/embedded/EmbeddedChannel.java

* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelHandlerContext.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/local/LocalAddress.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/SocketChannelConfig.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/nio/NioTask.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelDuplexHandler.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelFuture.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/FixedRecvByteBufAllocator.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/oio/OioEventLoopGroup.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelFlushPromiseNotifier.java
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*
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/package-info.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/local/LocalChannel.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelInitializer.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/nio/NioEventLoopGroup.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelInboundHandler.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/oio/OioSocketChannel.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/SocketChannel.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/AbstractChannel.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelException.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/oio/AbstractOioChannel.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ExtendedClosedChannelException.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/EventLoopTaskQueueFactory.java
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* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/socket/DuplexChannel.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/bootstrap/ServerBootstrapConfig.java
*
 /netty-transport-4-1-109-final-sources-2-jar/io/netty/bootstrap/BootstrapConfig.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/DefaultSelectStrategy.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/SelectStrategyFactory.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/WriteBufferWaterMark.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelOutboundInvoker.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/ChannelInboundInvoker.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/SelectStrategy.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /netty-transport-4-1-109-final-sources-2-jar/io/netty/bootstrap/AbstractBootstrapConfig.java

1.216 netty-handler-proxy 4.1.109.Final

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* /netty-handler-proxy-4-1-109-final-sources-1-jar/io/netty/handler/proxy/HttpProxyHandler.java
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 /netty-handler-proxy-4-1-109-final-sources-1-jar/io/netty/handler/proxy/ProxyHandler.java
* /netty-handler-proxy-4-1-109-final-sources-1-jar/io/netty/handler/proxy/ProxyConnectException.java
* /netty-handler-proxy-4-1-109-final-sources-1-jar/io/netty/handler/proxy/package-info.java
* /netty-handler-proxy-4-1-109-final-sources-1-jar/io/netty/handler/proxy/Socks4ProxyHandler.java

1.217 netty-codec-socks 4.1.109.Final

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*
 /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socksx/v5/package-info.java
* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java
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* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java
* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksCmdRequest.java
* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksAuthRequest.java
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* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java
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/netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/package-info.java
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* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksCmdType.java

* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java
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* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksCmdStatus.java
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* /netty-codec-socks-4-1-109-final-sources-1-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java
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jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
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1.218 backports.tarfile 1.2.0

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* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/GuardedBy.java
* /jsr305-3-0-2-sources-12-jar/javax/annotation/concurrent/NotThreadSafe.java
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1.221 gson 2.11.0

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* /gson-2-11-0-sources-1-jar/com/google/gson/stream/MalformedJsonException.java
* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonReader.java
* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonToken.java
* /gson-2-11-0-sources-1-jar/com/google/gson/stream/JsonWriter.java

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* /gson-2-11-0-sources-1-jar/com/google/gson/ToNumberPolicy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/ToNumberStrategy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/stream/package-info.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
*
 /gson-2-11-0-sources-1-jar/com/google/gson/TypeAdapterFactory.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /gson-2-11-0-sources-1-jar/com/google/gson/TypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/TypeAdapters.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/JsonTreeWriter.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/FormattingStyle.java

* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ReflectionAccessFilterHelper.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/SerializationDelegatingTypeAdapter.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/NumberTypeAdapter.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/package-info.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/sql/SqlDateTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ConstructorConstructor.java
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/gson-2-11-0-sources-1-jar/com/google/gson/internal/UnsafeAllocator.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/FieldAttributes.java
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* /gson-2-11-0-sources-1-jar/com/google/gson/internal/bind/DefaultDateTypeAdapter.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializer.java
* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Since.java
*
 /gson-2-11-0-sources-1-jar/com/google/gson/JsonDeserializationContext.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonParseException.java
* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/Expose.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/$Gson$Types.java
* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/package-info.java
* /gson-2-11-0-sources-1-jar/com/google/gson/Gson.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonObject.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializationContext.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Excluder.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonPrimitive.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonNull.java
* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingPolicy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonElement.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonSerializer.java
* /gson-2-11-0-sources-1-jar/com/google/gson/annotations/SerializedName.java
*
 /gson-2-11-0-sources-1-jar/com/google/gson/package-info.java
* /gson-2-11-0-sources-1-jar/com/google/gson/InstanceCreator.java
* /gson-2-11-0-sources-1-jar/com/google/gson/ExclusionStrategy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/ObjectConstructor.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonIOException.java
* /gson-2-11-0-sources-1-jar/com/google/gson/FieldNamingStrategy.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/$Gson$Preconditions.java
* /gson-2-11-0-sources-1-jar/com/google/gson/JsonArray.java
* /gson-2-11-0-sources-1-jar/com/google/gson/internal/Primitives.java
* /gson-2-11-0-sources-1-jar/com/google/gson/reflect/TypeToken.java
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  https://mvnrepository.com/artifact/org.apache.maven/maven-compat/3.5.2

maven-core
(3.5.2)

* License: Apache-2.0
* 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

maven-plugin-api (3.5.2)

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maven-resolver-api (1.1.1)

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maven-resolver-spi (1.1.1)

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maven-resolver-transport-file (1.1.1)

* License: Apache-2.0
* Project: https://maven.apache.org/resolver/maven-resolver-transport-file/
* Source:
  https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file

maven-resolver-util (1.1.1)

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maven-settings
(3.5.2)

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OSGi Service Platform Core Companion Code (6.0)

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plexus-archiver (3.5)

* License: Apache-2.0
* Project: https://codehaus-plexus.github.io/plexus-archiver/
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Sax (0.2)

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* Source: http://sourceforge.net/project/showfiles.php?group_id=29449

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)

* License: Pending
*
 Project: https://maven.apache.org/wagon/
* Source:
  https://mvnrepository.com/artifact/org.apache.maven.wagon/wagon-http-lightweight/3.0.0

xz for java (1.8)

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1.227 azure-core 1.30.2

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1.228 schema-registry-serde 1.1.19

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* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/ProtobufSchema.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/ProtobufMessage.java
*
 /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/MessageDefinition.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/DynamicSchema.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/ProtobufSchemaLoader.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/EnumDefinition.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/apicurio/FileDescriptorUtils.java

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* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/deserializers/protobuf/ProtobufDeserializer.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/json/JsonValidator.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/avro/AWSKafkaAvroSerializer.java
*
/schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/SerializationDataEncoder.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/json/JsonSerializer.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/GlueSchemaRegistrySerializer.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/protobuf/ProtobufSerializer.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/utils/AVROUtils.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/GlueSchemaRegistrySerializationFacade.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/serializers/GlueSchemaRegistrySerializerImpl.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/deserializers/SecondaryDeserializer.java
*
/schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryKafkaDeserializer.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryDeserializationFacade.java
* /schema-registry-serde-1-1-19-sources-jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryDeserializerImpl.java
* /schema-registry-serde-1-1-19-sources-

jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryDeserializer.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/avro/AvroDeserializer.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/json/JsonDeserializer.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/serializers/GlueSchemaRegistrySerializerFactory.java
*
 /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryDeserializerDataParser.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/serializers/avro/AvroSerializer.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/GlueSchemaRegistryDeserializerFactory.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/avro/AWSKafkaAvroDeserializer.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/serializers/json/JsonDataWithSchema.java
* /schema-registry-serde-1-1-19-sources-
jar/com/amazonaws/services/schemaregistry/deserializers/protobuf/ProtobufWireFormatDecoder.java
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<<<<<<< HEAD
*
* This will be removed once Apicurio releases the latest version with the json_name fix
* https://github.com/Apicurio/apicurio-registry/blob/master/utils/protobuf-schema-
utilities/src/main/java/io/apicurio/registry/utils/protobuf/schema/ProtobufFile.java
=======
>>>>>>>
 kafka-connect-converter-protobuf
*/

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* /schema-registry-serde-1-1-19-sources-jar/META-INF/maven/software.amazon.glue/schema-registry-serde/pom.xml

1.229 schema-registry-build-tools 1.1.19

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* /schema-registry-build-tools-1-1-19-sources-jar/suppressions.xml
* /schema-registry-build-tools-1-1-19-sources-jar/checkstyle.xml

1.230 gdbm 1.24-r0

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1.232 jaraco.text 3.12.1

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1.239 pyyaml 6.0.2

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1.240 alpine-keys 2.5-r0

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1.241 logrus 1.8.1

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1.242 google-golang-org-genproto 0.0.0-20230410155749-daa745c078e1

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1.245 jandex 3.2.0

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1.246 kotlin 1.9.25-release-852

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

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According to http://www.apache.org/legal/3party.html we can include "Google Dart Js backend" in source form,
because code license is "New BSD License" (Authorized License).

This part of code will be removed when kotlin will be rewritten on kotlin.
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Multi-producer/multi-consumer bounded queue.

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1.247 golang-protobuf-extensions 1.0.1

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1.250 urllib3 1.26.20

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* /netty-transport-native-epoll-4-1-110-final-sources-1-jar/netty_epoll_linuxsocket.h
* /netty-transport-native-epoll-4-1-110-final-sources-1-jar/netty_epoll_linuxsocket.c
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```

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* /netty-transport-native-epoll-4-1-110-final-sources-1-jar/netty_epoll_native.c
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-->

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* /netty-transport-native-epoll-4-1-110-final-sources-1-jar/META-INF/maven/io.netty/netty-transport-native-epoll/pom.xml
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Found in path(s):
* /netty-transport-native-epoll-4-1-110-final-sources-1-jar/netty_epoll_vmsocket.h

1.253 netty 4.1.110.Final

1.253.1 Available under license :

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Found in path(s):
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/Cleaner.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/CleanerJava9.java
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Found in path(s):
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/CharCollections.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/CharObjectMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/CharObjectHashMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/IntObjectHashMap.java
*
 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ShortObjectMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/LongObjectMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ShortObjectHashMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ObjectUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ByteCollections.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ByteObjectMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/IntObjectMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ShortCollections.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/LongObjectHashMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/IntCollections.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/ByteObjectHashMap.java
*
 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/collection/LongCollections.java
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Found in path(s):
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseMpscLinkedAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Ordering.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/RangeUtil.java
*
 /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscChunkedArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscLinkedQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicQueueFactory.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeAccess.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscUnboundedAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/AtomicReferenceArrayQueue.java
*
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jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/package-info.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/spec/ConcurrentQueueSpec.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/InternalAPI.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MessagePassingQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpmcAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMapLong.java
*

/netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/LinkedQueueAtomicNode.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashSet.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/SpmcArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/BaseLinkedQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/MpscArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/QueueFactory.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscGrowableAtomicArrayQueue.java
*
/netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/maps/AbstractEntry.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingHashMap.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/MpscAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpmcUnboundedXaddChunk.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/BaseSpscLinkedAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingSetInt.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/SpscArrayQueue.java
*
/netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/SupportsIterator.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/Pow2.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SpscChunkedAtomicArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/IndexedQueueSizeUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/queues/spec/Preference.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeJvmInfo.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/util/UnsafeLongArrayAccess.java
*
/netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/maps/ConcurrentAutoTable.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/maps/NonBlockingIdentityHashMap.java
* /netty-common-4-1-110-final-sources-1-

jar/io/netty/util/internal/shaded/org/jctools/queues/LinkedQueueNode.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscLinkedQueue.java
* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/MpscUnboundedXaddArrayQueue.java
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jar/io/netty/util/internal/shaded/org/jctools/queues/atomic/SequencedAtomicReferenceArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
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*
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jar/io/netty/util/internal/shaded/org/jctools/queues/BaseSpscLinkedArrayQueue.java
* /netty-common-4-1-110-final-sources-1-
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* /netty-common-4-1-110-final-sources-1-
jar/io/netty/util/internal/shaded/org/jctools/queues/BaseMpscLinkedArrayQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/shaded/org/jctools/util/PortableJvmInfo.java
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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
 <modelVersion>4.0.0</modelVersion>

 <artifactId>jctools-core</artifactId>
 <groupId>org.jctools</groupId>
 <version>3.1.0</version>
 <name>Java Concurrency Tools Core Library</name>
 <description>Java Concurrency Tools Core Library</description>
 <packaging>bundle</packaging>

 <dependencies>
  <dependency>
   <groupId>org.hamcrest</groupId>
   <artifactId>hamcrest-all</artifactId>
   <version>${hamcrest.version}</version>
   <scope>test</scope>
  </dependency>

  <dependency>
   <groupId>junit</groupId>
   <artifactId>junit</artifactId>
   <version>${junit.version}</version>
   <scope>test</scope>
  </dependency>

  <dependency>
   <groupId>com.google.guava</groupId>
   <artifactId>guava-testlib</artifactId>
   <version>${guava-testlib.version}</version>
   <scope>test</scope>
  </dependency>
 </dependencies>
 <build>
  <plugins>
   <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-surefire-plugin</artifactId>
    <version>3.0.0-M3</version>
```

```
 <configuration>
  <includes>
   <include>*</include>
  </includes>
 </configuration>
</plugin>
<plugin>
 <groupId>org.apache.felix</groupId>
 <artifactId>maven-bundle-plugin</artifactId>
 <version>4.2.1</version>
 <extensions>true</extensions>
 <configuration>
  <instructions>
   <Import-Package>sun.misc;resolution:=optional</Import-Package>
  </instructions>
 </configuration>
</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-source-plugin</artifactId>
 <version>3.2.0</version>
 <executions>
  <execution>
   <id>attach-sources</id>
   <phase>verify</phase>
   <goals>
    <goal>jar-no-fork</goal>
   </goals>
  </execution>
 </executions>
</plugin>
<plugin>
 <groupId>org.apache.maven.plugins</groupId>
 <artifactId>maven-javadoc-plugin</artifactId>
 <version>3.1.1</version>
 <configuration>
  <additionalOptions>
   <additionalOption>-Xdoclint:none</additionalOption>
  </additionalOptions>
  <source>8</source>
 </configuration>
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    <goal>jar</goal>
   </goals>
  </execution>
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```
  </executions>
 </plugin>
</plugins>
</build>

<distributionManagement>
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  <id>bintray-jctools-jctools</id>
  <name>jctools-jctools</name>
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 </repository>
</distributionManagement>

<url>https://github.com/JCTools</url>
<inceptionYear>2013</inceptionYear>

<licenses>
 <license>
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License, Version 2.0</name>
  <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
  <distribution>repo</distribution>
 </license>
</licenses>

<scm>
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 <connection>scm:git:https://github.com/JCTools/JCTools</connection>
 <tag>HEAD</tag>
</scm>

<developers>
 <developer>
  <url>https://github.com/nitsanw</url>
 </developer>
 <developer>
  <url>https://github.com/mjpt777</url>
 </developer>
 <developer>
  <url>https://github.com/RichardWarburton</url>
 </developer>
 <developer>
  <url>https://github.com/kay</url>
 </developer>
 <developer>
  <url>https://github.com/franz1981</url>
 </developer>
</developers>
```

```
 <prerequisites>
  <maven>3.5.0</maven>
 </prerequisites>

 <properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <java.version>1.6</java.version>
  <java.test.version>1.8</java.test.version>

  <maven.compiler.source>${java.version}</maven.compiler.source>
  <maven.compiler.target>${java.version}</maven.compiler.target>
  <maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
  <maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

  <hamcrest.version>1.3</hamcrest.version>
  <junit.version>4.12</junit.version>
  <guava-testlib.version>21.0</guava-testlib.version>
 </properties>
</project>
```

Found
 in path(s):
* /netty-common-4-1-110-final-sources-1-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/logging/CommonsLogger.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java
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 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/FastThreadLocal.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/AsciiString.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ResourceLeakHint.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/PromiseNotifier.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/Mapping.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ThreadDeathWatcher.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/NativeLibraryLoader.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/PromiseAggregator.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/DefaultEventExecutor.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/SystemPropertyUtil.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/HashedWheelTimer.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/FailedFuture.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/DefaultAttributeMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/AttributeMap.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/CharsetUtil.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/logging/InternalLoggerFactory.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/BooleanSupplier.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ConstantTimeUtils.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/logging/Log4J2LoggerFactory.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/PromiseCombiner.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/UnaryPromiseNotifier.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/logging/Log4J2Logger.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/RejectedExecutionHandler.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ResourceLeakTracker.java
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 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/SocketUtils.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ThrowableUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/UnstableApi.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/IntSupplier.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/PromiseNotificationUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ResourceLeakDetectorFactory.java

* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/NativeLibraryUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/OutOfDirectMemoryError.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
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 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/DefaultPriorityQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/PriorityQueueNode.java

* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/AsyncMapping.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/PendingWrite.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/FutureListener.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ReferenceCountUtil.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/DefaultFutureListeners.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/Future.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/GenericFutureListener.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/ResourceLeak.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/AbstractReferenceCounted.java

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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/Hidden.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ThreadExecutorMap.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ObjectPool.java
*
 /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/svm/PlatformDependentSubstitution.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/svm/UnsafeRefArrayAccessSubstitution.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/svm/PlatformDependent0Substitution.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ReferenceCountUpdater.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/svm/CleanerJava6Substitution.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/CleanerJava6.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/concurrent/FastThreadLocalThread.java
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* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/UncheckedBooleanSupplier.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/NettyRuntime.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/PriorityQueue.java
*

/netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/EmptyPriorityQueue.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ObjectCleaner.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/SuppressForbidden.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/LongAdderCounter.java
* /netty-common-4-1-110-final-sources-1-jar/io/netty/util/internal/ReflectionUtil.java

1.254 logging-interceptor 4.12.0

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* /logging-interceptor-4-12-0-sources-1-jar/okhttp3/logging/HttpLoggingInterceptor.kt
* /logging-interceptor-4-12-0-sources-1-jar/okhttp3/logging/utf8.kt

1.255 grpc-go 1.56.3

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1.256 rxjava 3.1.8

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reactor.core.scheduler.ReactorBlockHoundIntegration

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

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

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

All
Python releases are Open Source (see https://opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes

2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
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Just configure this file as the SSLCACertificateFile.#

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  "ListProductSubscriptions": {
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  }
 }
}
```


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pycparser -- A C parser in Python

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 "version":"2.0",
 "metadata":{
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  "endpointPrefix":"license-manager",
  "jsonVersion":"1.1",
  "protocol":"json",
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  },
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   "http":{
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   ],
   "documentation":"<p>Checks out the specified license for offline use.</p>"
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   "http":{
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  },
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    "name":"CreateGrant",
    "http":{
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    },
    "input":{"shape":"CreateGrantRequest"},
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    "errors":[
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      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Creates a grant for the specified license. A grant shares the use of license entitlements with a specific Amazon Web Services account, an organization, or an organizational unit (OU). For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
  },
  "CreateGrantVersion":{
    "name":"CreateGrantVersion",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"CreateGrantVersionRequest"},
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      {"shape":"RateLimitExceededException"}
    ],
```

```
    "documentation":"<p>Creates a new version of the specified grant. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
  },
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    "http":{
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      "requestUri":"/"
    },
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    ],
    "documentation":"<p>Creates a license configuration.</p> <p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance,
 Dedicated Host, or all of these), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used.</p>"
  },
  "CreateLicenseConversionTaskForResource":{
    "name":"CreateLicenseConversionTaskForResource",
```

```
  "http":{
    "method":"POST",
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    "input":{"shape":"CreateTokenRequest"},
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 token.</p> <p>A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license.</p>"
  },
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      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Deletes the specified license configuration.</p> <p>You cannot delete a license
configuration that is in use.</p>"
  },
  "DeleteLicenseManagerReportGenerator":{
    "name":"DeleteLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseManagerReportGeneratorRequest"},
```

```
    "output":{"shape":"DeleteLicenseManagerReportGeneratorResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Deletes the specified report
 generator.</p> <p>This action deletes the report generator, which stops it from generating future reports. The
action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
  },
  "DeleteToken":{
    "name":"DeleteToken",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteTokenRequest"},
    "output":{"shape":"DeleteTokenResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"RedirectException"}
    ],
    "documentation":"<p>Deletes the specified token. Must be called in the license home Region.</p>"
  },
  "ExtendLicenseConsumption":{
    "name":"ExtendLicenseConsumption",
    "http":{
      "method":"POST",
      "requestUri":"/"
     },
    "input":{"shape":"ExtendLicenseConsumptionRequest"},
    "output":{"shape":"ExtendLicenseConsumptionResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
```

```
      {"shape":"ServerInternalException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Extends the expiration date for license consumption.</p>"
  },
  "GetAccessToken":{
    "name":"GetAccessToken",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetAccessTokenRequest"},
    "output":{"shape":"GetAccessTokenResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},

     {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens
are valid for one hour.</p>"
  },
  "GetGrant":{
    "name":"GetGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetGrantRequest"},
    "output":{"shape":"GetGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed information about the specified grant.</p>"
  },
  "GetLicense":{
    "name":"GetLicense",
    "http":{
      "method":"POST",
      "requestUri":"/"
```

```
    },
    "input":{"shape":"GetLicenseRequest"},
     "output":{"shape":"GetLicenseResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets detailed information about the specified license.</p>"
  },
  "GetLicenseConfiguration":{
    "name":"GetLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseConfigurationRequest"},
    "output":{"shape":"GetLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed
information about the specified license configuration.</p>"
  },
  "GetLicenseConversionTask":{
    "name":"GetLicenseConversionTask",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseConversionTaskRequest"},
    "output":{"shape":"GetLicenseConversionTaskResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets information about the specified license type conversion task.</p>"
  },
```

```
"GetLicenseManagerReportGenerator":{
  "name":"GetLicenseManagerReportGenerator",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetLicenseManagerReportGeneratorRequest"},
  "output":{"shape":"GetLicenseManagerReportGeneratorResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"AccessDeniedException"},
    {"shape":"ResourceNotFoundException"}
  ],
  "documentation":"<p>Gets information about the specified report generator.</p>"
},
"GetLicenseUsage":{
  "name":"GetLicenseUsage",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetLicenseUsageRequest"},
  "output":{"shape":"GetLicenseUsageResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
   ],
  "documentation":"<p>Gets detailed information about the usage of the specified license.</p>"
},
"GetServiceSettings":{
  "name":"GetServiceSettings",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetServiceSettingsRequest"},
  "output":{"shape":"GetServiceSettingsResponse"},
  "errors":[
    {"shape":"ServerInternalException"},
```

```
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets the License Manager settings for the current Region.</p>"
  },
  "ListAssociationsForLicenseConfiguration":{
    "name":"ListAssociationsForLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListAssociationsForLicenseConfigurationRequest"},
    "output":{"shape":"ListAssociationsForLicenseConfigurationResponse"},
     "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"FilterLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the resource associations for the specified license configuration.</p> <p>Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules).</p>"
  },
  "ListDistributedGrants":{
    "name":"ListDistributedGrants",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListDistributedGrantsRequest"},
    "output":{"shape":"ListDistributedGrantsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
       {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the grants distributed for the specified license.</p>"
  },
  "ListFailuresForLicenseConfigurationOperations":{
    "name":"ListFailuresForLicenseConfigurationOperations",
    "http":{
```

```
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListFailuresForLicenseConfigurationOperationsRequest"},
   "output":{"shape":"ListFailuresForLicenseConfigurationOperationsResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists the license configuration operations that failed.</p>"
  },
  "ListLicenseConfigurations":{
   "name":"ListLicenseConfigurations",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListLicenseConfigurationsRequest"},
   "output":{"shape":"ListLicenseConfigurationsResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists the license configurations for your account.</p>"
  },
  "ListLicenseConversionTasks":{
   "name":"ListLicenseConversionTasks",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListLicenseConversionTasksRequest"},
   "output":{"shape":"ListLicenseConversionTasksResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists the license type conversion tasks for your account.</p>"
```

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},
"ListLicenseManagerReportGenerators":{
  "name":"ListLicenseManagerReportGenerators",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
  "output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"AccessDeniedException"},
    {"shape":"ResourceNotFoundException"}
   ],
  "documentation":"<p>Lists the report generators for your account.</p>"
},
"ListLicenseSpecificationsForResource":{
  "name":"ListLicenseSpecificationsForResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
  "output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Describes the license configurations for the specified resource.</p>"
},
"ListLicenseVersions":{
  "name":"ListLicenseVersions",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseVersionsRequest"},
  "output":{"shape":"ListLicenseVersionsResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
```

```
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Lists all versions of the specified license.</p>"
  },
  "ListLicenses":{
    "name":"ListLicenses",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicensesRequest"},
    "output":{"shape":"ListLicensesResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Lists the licenses for your account.</p>"
  },
  "ListReceivedGrants":{
    "name":"ListReceivedGrants",
     "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListReceivedGrantsRequest"},
    "output":{"shape":"ListReceivedGrantsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs.</p>"
  },
  "ListReceivedGrantsForOrganization":{
    "name":"ListReceivedGrantsForOrganization",
```

```
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
  "output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
 "errors":[
  {"shape":"ValidationException"},
  {"shape":"InvalidParameterValueException"},
  {"shape":"ResourceLimitExceededException"},
  {"shape":"ServerInternalException"},
  {"shape":"AuthorizationException"},
  {"shape":"AccessDeniedException"},
  {"shape":"RateLimitExceededException"}
 ],
 "documentation":"<p>Lists the grants received for all accounts in the organization.</p>"
},
"ListReceivedLicenses":{
 "name":"ListReceivedLicenses",
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"ListReceivedLicensesRequest"},
 "output":{"shape":"ListReceivedLicensesResponse"},
 "errors":[
  {"shape":"ValidationException"},
  {"shape":"InvalidParameterValueException"},
  {"shape":"ResourceLimitExceededException"},
  {"shape":"ServerInternalException"},
   {"shape":"AuthorizationException"},
  {"shape":"AccessDeniedException"},
  {"shape":"RateLimitExceededException"}
 ],
 "documentation":"<p>Lists received licenses.</p>"
},
"ListReceivedLicensesForOrganization":{
 "name":"ListReceivedLicensesForOrganization",
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"ListReceivedLicensesForOrganizationRequest"},
 "output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
 "errors":[
  {"shape":"ValidationException"},
  {"shape":"InvalidParameterValueException"},
  {"shape":"ResourceLimitExceededException"},
```

```
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the licenses received for all accounts in the organization.</p>"
},
"ListResourceInventory":{
   "name":"ListResourceInventory",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListResourceInventoryRequest"},
  "output":{"shape":"ListResourceInventoryResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"FailedDependencyException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists resources managed using Systems Manager inventory.</p>"
},
"ListTagsForResource":{
  "name":"ListTagsForResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListTagsForResourceRequest"},
  "output":{"shape":"ListTagsForResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the tags for the specified license configuration.</p>"
},
"ListTokens":{
  "name":"ListTokens",
  "http":{
    "method":"POST",
    "requestUri":"/"
```

```
    },
    "input":{"shape":"ListTokensRequest"},
    "output":{"shape":"ListTokensResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Lists your tokens.</p>"
  },
  "ListUsageForLicenseConfiguration":{
    "name":"ListUsageForLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListUsageForLicenseConfigurationRequest"},
     "output":{"shape":"ListUsageForLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"FilterLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration.</p>"
  },
  "RejectGrant":{
    "name":"RejectGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"RejectGrantRequest"},
    "output":{"shape":"RejectGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
       {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"}
```

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  ],
  "documentation":"<p>Rejects the specified grant.</p>"
},
"TagResource":{
  "name":"TagResource",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"TagResourceRequest"},
  "output":{"shape":"TagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Adds the specified tags to the specified license configuration.</p>"
},
"UntagResource":{
  "name":"UntagResource",
  "http":{
    "method":"POST",
     "requestUri":"/"
  },
  "input":{"shape":"UntagResourceRequest"},
  "output":{"shape":"UntagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Removes the specified tags from the specified license configuration.</p>"
},
"UpdateLicenseConfiguration":{
  "name":"UpdateLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseConfigurationRequest"},
  "output":{"shape":"UpdateLicenseConfigurationResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
```

{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"}
],
"documentation":" Modifies the attributes of an existing license configuration. "
},
"UpdateLicenseManagerReportGenerator":{
"name":"UpdateLicenseManagerReportGenerator",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"UpdateLicenseManagerReportGeneratorRequest"},
"output":{"shape":"UpdateLicenseManagerReportGeneratorResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"ResourceNotFoundException"},
{"shape":"ResourceLimitExceededException"}
],
"documentation":" Updates a report generator. After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated. "
},
"UpdateLicenseSpecificationsForResource":{
"name":"UpdateLicenseSpecificationsForResource",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
"output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
"errors":[
{"shape":"InvalidParameterValueException"},
{"shape":"InvalidResourceStateException"},
{"shape":"LicenseUsageException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],
"documentation":" Adds or removes the specified license configurations for the specified Amazon Web Services resource. You can update the license specifications of AMIs, instances, and hosts. You cannot update the license specifications

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 for launch templates and CloudFormation templates, as they send license configurations to the operation that creates the resource.</p>"
    },
    "UpdateServiceSettings":{
      "name":"UpdateServiceSettings",
      "http":{
        "method":"POST",
        "requestUri":"/"
      },
      "input":{"shape":"UpdateServiceSettingsRequest"},
      "output":{"shape":"UpdateServiceSettingsResponse"},
      "errors":[
        {"shape":"InvalidParameterValueException"},
        {"shape":"ServerInternalException"},
        {"shape":"AuthorizationException"},
        {"shape":"AccessDeniedException"},
        {"shape":"RateLimitExceededException"}
      ],
      "documentation":"<p>Updates License Manager settings for the current Region.</p>"
    }
  },
  "shapes":{
    "AcceptGrantRequest":{
      "type":"structure",
      "required":["GrantArn"],
      "members":{
        "GrantArn":{
          "shape":"Arn",
          "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
        }
      }
    },
    "AcceptGrantResponse":{
      "type":"structure",
      "members":{
        "GrantArn":{
          "shape":"Arn",
          "documentation":"<p>Grant ARN.</p>"
        },
        "Status":{
          "shape":"GrantStatus",
          "documentation":"<p>Grant status.</p>"
        },
        "Version":{
          "shape":"String",
          "documentation":"<p>Grant version.</p>"
        }
      }
```

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  },
  "AccessDeniedException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>Access to resource denied.</p>",
    "exception":true
  },
  "ActivationOverrideBehavior":{
    "type":"string",
    "enum":[
      "DISTRIBUTED_GRANTS_ONLY",
      "ALL_GRANTS_PERMITTED_BY_ISSUER"
    ]
  },
  "AllowedOperation":{
    "type":"string",
    "enum":[
      "CreateGrant",
      "CheckoutLicense",
      "CheckoutBorrowLicense",
      "CheckInLicense",
      "ExtendConsumptionLicense",
       "ListPurchasedLicenses",
      "CreateToken"
    ]
  },
  "AllowedOperationList":{
    "type":"list",
    "member":{"shape":"AllowedOperation"},
    "max":7,
    "min":1
  },
  "Arn":{
    "type":"string",
    "max":2048,
    "pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
  },
  "ArnList":{
    "type":"list",
    "member":{"shape":"Arn"}
  },
  "AuthorizationException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
```

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    },
    "documentation":"<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM policy associated with this account.</p>",
    "exception":true
  },
  "AutomatedDiscoveryInformation":{
    "type":"structure",
    "members":{
      "LastRunTime":{
        "shape":"DateTime",
        "documentation":"<p>Time that automated discovery last ran.</p>"
      }
    },
    "documentation":"<p>Describes automated discovery.</p>"
  },
  "Boolean":{"type":"boolean"},
  "BorrowConfiguration":{
    "type":"structure",
    "required":[
      "AllowEarlyCheckIn",
      "MaxTimeToLiveInMinutes"
    ],
    "members":{
      "AllowEarlyCheckIn":{
        "shape":"BoxBoolean",
        "documentation":"<p>Indicates whether early check-ins are allowed.</p>"
      },
      "MaxTimeToLiveInMinutes":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum time for the borrow configuration, in minutes.</p>"
      }
    },
    "documentation":"<p>Details about a borrow configuration.</p>"
  },
  "BoxBoolean":{"type":"boolean"},
  "BoxInteger":{"type":"integer"},
  "BoxLong":{"type":"long"},
  "CheckInLicenseRequest":{
    "type":"structure",
    "required":["LicenseConsumptionToken"],
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "Beneficiary":{
        "shape":"String",
```

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        "documentation":"<p>License beneficiary.</p>"
      }
    }
  },
  "CheckInLicenseResponse":{
    "type":"structure",
    "members":{
    }
  },
  "CheckoutBorrowLicenseRequest":{
    "type":"structure",
    "required":[
      "LicenseArn",
      "Entitlements",
      "DigitalSignatureMethod",
      "ClientToken"
    ],
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementDataList",
        "documentation":"<p>License entitlements. Partial checkouts are not supported.</p>"
      },
      "DigitalSignatureMethod":{
        "shape":"DigitalSignatureMethod",

    "documentation":"<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see <a href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>"
      },
      "NodeId":{
        "shape":"String",
        "documentation":"<p>Node ID.</p>"
      },
      "CheckoutMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about constraints.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
```

```
},
"CheckoutBorrowLicenseResponse":{
  "type":"structure",
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "LicenseConsumptionToken":{
      "shape":"String",
       "documentation":"<p>License consumption token.</p>"
    },
    "EntitlementsAllowed":{
      "shape":"EntitlementDataList",
      "documentation":"<p>Allowed license entitlements.</p>"
    },
    "NodeId":{
      "shape":"String",
      "documentation":"<p>Node ID.</p>"
    },
    "SignedToken":{
      "shape":"SignedToken",
      "documentation":"<p>Signed token.</p>"
    },
    "IssuedAt":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout is issued.</p>"
    },
    "Expiration":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout expires.</p>"
    },
    "CheckoutMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>Information about constraints.</p>"
    }
  }
},
"CheckoutLicenseRequest":{
  "type":"structure",
  "required":[
    "ProductSKU",
     "CheckoutType",
    "KeyFingerprint",
    "Entitlements",
    "ClientToken"
  ],
  "members":{
```

```
      "ProductSKU":{
        "shape":"String",
        "documentation":"<p>Product SKU.</p>"
      },
      "CheckoutType":{
        "shape":"CheckoutType",
        "documentation":"<p>Checkout type.</p>"
      },
      "KeyFingerprint":{
        "shape":"String",
        "documentation":"<p>Key fingerprint identifying the license.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementDataList",
        "documentation":"<p>License entitlements.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "NodeId":{
        "shape":"String",
         "documentation":"<p>Node ID.</p>"
      }
    }
  },
  "CheckoutLicenseResponse":{
    "type":"structure",
    "members":{
      "CheckoutType":{
        "shape":"CheckoutType",
        "documentation":"<p>Checkout type.</p>"
      },
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "EntitlementsAllowed":{
        "shape":"EntitlementDataList",
        "documentation":"<p>Allowed license entitlements.</p>"
      },
      "SignedToken":{
        "shape":"SignedToken",
```

```
      "documentation":"<p>Signed token.</p>"
     },
     "NodeId":{
      "shape":"String",
      "documentation":"<p>Node ID.</p>"
     },
     "IssuedAt":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout is issued.</p>"
     },
     "Expiration":{
      "shape":"ISO8601DateTime",

"documentation":"<p>Date and time at which the license checkout expires.</p>"
     },
     "LicenseArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the checkout license.</p>"
     }
    }
   },
   "CheckoutType":{
    "type":"string",
    "enum":[
     "PROVISIONAL",
     "PERPETUAL"
    ]
   },
   "ClientRequestToken":{
    "type":"string",
    "max":36,
    "min":1
   },
   "ClientToken":{
    "type":"string",
    "max":2048,
    "pattern":"\\S+"
   },
   "ConflictException":{
    "type":"structure",
    "members":{
     "Message":{"shape":"Message"}
    },
    "documentation":"<p>There was a conflict processing the request. Try your request again.</p>",
    "exception":true
   },
   "ConsumedLicenseSummary":{
    "type":"structure",
```

```
    "members":{
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Resource type of the resource consuming a
license.</p>"
      },
      "ConsumedLicenses":{
        "shape":"BoxLong",
        "documentation":"<p>Number of licenses consumed by the resource.</p>"
      }
    },
    "documentation":"<p>Details about license consumption.</p>"
  },
  "ConsumedLicenseSummaryList":{
    "type":"list",
    "member":{"shape":"ConsumedLicenseSummary"}
  },
  "ConsumptionConfiguration":{
    "type":"structure",
    "members":{
      "RenewType":{
        "shape":"RenewType",
        "documentation":"<p>Renewal frequency.</p>"
      },
      "ProvisionalConfiguration":{
        "shape":"ProvisionalConfiguration",
        "documentation":"<p>Details about a provisional configuration.</p>"
      },
      "BorrowConfiguration":{
        "shape":"BorrowConfiguration",
        "documentation":"<p>Details about a borrow configuration.</p>"
      }
    },
    "documentation":"<p>Details about a consumption configuration.</p>"
  },
  "CreateGrantRequest":{
     "type":"structure",
    "required":[
      "ClientToken",
      "GrantName",
      "LicenseArn",
      "Principals",
      "HomeRegion",
      "AllowedOperations"
    ],
    "members":{
      "ClientToken":{
        "shape":"ClientToken",
```

```
      "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
    },
    "GrantName":{
      "shape":"String",
      "documentation":"<p>Grant name.</p>"
    },
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "Principals":{
      "shape":"PrincipalArnList",
      "documentation":"<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p> <ul> <li> <p>An Amazon Web Services account, which includes only the account specified.</p> </li> </ul> <ul> <li> <p>An organizational unit (OU), which
 includes all accounts in the OU.</p> </li> </ul> <ul> <li> <p>An organization, which will include all accounts across your organization.</p> </li> </ul>"
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the grant.</p>"
    },
    "AllowedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Allowed operations for the grant.</p>"
    }
  }
 },
 "CreateGrantResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
 },
 "CreateGrantVersionRequest":{
  "type":"structure",
```

```
    "required":[
      "ClientToken",
      "GrantArn"
    ],

 "members":{
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
      },
      "AllowedOperations":{
        "shape":"AllowedOperationList",
        "documentation":"<p>Allowed operations for the grant.</p>"
      },
      "Status":{
        "shape":"GrantStatus",
        "documentation":"<p>Grant status.</p>"
      },
      "StatusReason":{
        "shape":"StatusReasonMessage",
        "documentation":"<p>Grant status reason.</p>"
      },
      "SourceVersion":{
        "shape":"String",
        "documentation":"<p>Current version of the grant.</p>"
      },
      "Options":{

      "shape":"Options",
        "documentation":"<p>The options specified for the grant.</p>"
      }
    }
  },
  "CreateGrantVersionResponse":{
    "type":"structure",
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Grant ARN.</p>"
```

```
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>New version of the grant.</p>"
    }
  }
},
"CreateLicenseConfigurationRequest":{
  "type":"structure",
  "required":[
    "Name",
    "LicenseCountingType"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Name of the license configuration.</p>"
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the license configuration.</p>"
    },
    "LicenseCountingType":{
       "shape":"LicenseCountingType",
      "documentation":"<p>Dimension used to track the license inventory.</p>"
    },
    "LicenseCount":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses managed by the license configuration.</p>"
    },
    "LicenseCountHardLimit":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances.</p>"
    },
    "LicenseRules":{
      "shape":"StringList",
      "documentation":"<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules vary by dimension, as follows.</p> <ul> <li> <p> <code>Cores</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumCores</code> | <code>minimumCores</code> </p> </li> <li> <p> <code>Instances</code> dimension: <code>allowedTenancy</code>
 | <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> | <code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p> </li> <li>
```

 <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumSockets</code> | <code>minimumSockets</code>   <code>vCPUs</code> dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code>   The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are <code>True</code> and <code>False</code>. "
      },
      "Tags":{
        "shape":"TagList",
        "documentation":" Tags to add to the
 license configuration. "
      },
      "DisassociateWhenNotFound":{
        "shape":"BoxBoolean",
        "documentation":" When true, disassociates a resource when software is uninstalled. "
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":" Product information. "
      }
    }
  },
  "CreateLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":" Amazon Resource Name (ARN) of the license configuration. "
      }
    }
  },
  "CreateLicenseConversionTaskForResourceRequest":{
    "type":"structure",
    "required":[
      "ResourceArn",
      "SourceLicenseContext",
      "DestinationLicenseContext"
    ],
    "members":{
      "ResourceArn":{
        "shape":"Arn",
        "documentation":" Amazon Resource Name (ARN) of the resource you are converting
 the license type for. "
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",

"documentation":" Information that identifies the license type you are converting from. For the structure of the source license, see Convert a license type using the CLI in the License Manager User Guide. "
},
"DestinationLicenseContext":{
"shape":"LicenseConversionContext",
"documentation":" Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the License Manager User Guide. "
}
}
},
"CreateLicenseConversionTaskForResourceResponse":{
"type":"structure",
"members":{
"LicenseConversionTaskId":{
"shape":"LicenseConversionTaskId",
"documentation":" The ID of the created license type conversion task. "
}
}
},
"CreateLicenseManagerReportGeneratorRequest":{
"type":"structure",
"required":[
"ReportGeneratorName",
"Type",
"ReportContext",
"ReportFrequency",
"ClientToken"
],
"members":{
"ReportGeneratorName":{
"shape":"ReportGeneratorName",
"documentation":" Name of the report generator. "
},
"Type":{
"shape":"ReportTypeList",
"documentation":" Type of reports to generate. The following report types an be generated: <ul> License configuration report - Reports the number and details of consumed licenses for a license configuration.   Resource report - Reports the tracked licenses and resource consumption for a license configuration. "
},
"ReportContext":{
"shape":"ReportContext",
"documentation":" Defines the type of license configuration the report generator tracks. "
},

```
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Frequency by which reports are generated. Reports can be generated daily, monthly, or weekly.</p>"
      },
      "ClientToken":{
        "shape":"ClientRequestToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>Description of the report generator.</p>"
      },
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Tags to add to the report generator.</p>"
      }
    }
  },
  "CreateLicenseManagerReportGeneratorResponse":{
    "type":"structure",
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>The Amazon Resource Name (ARN) of the new report generator.</p>"
      }
    }
  },
  "CreateLicenseRequest":{
    "type":"structure",
    "required":[
      "LicenseName",
      "ProductName",
      "ProductSKU",
      "Issuer",
      "HomeRegion",
      "Validity",
      "Entitlements",
      "Beneficiary",
      "ConsumptionConfiguration",
      "ClientToken"
    ],
    "members":{
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
```

```
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "ProductSKU":{
        "shape":"String",
        "documentation":"<p>Product SKU.</p>"
      },
      "Issuer":{
        "shape":"Issuer",
        "documentation":"<p>License issuer.</p>"
      },

    "HomeRegion":{
        "shape":"String",
        "documentation":"<p>Home Region for the license.</p>"
      },
      "Validity":{
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License entitlements.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
       },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
  },
  "CreateLicenseResponse":{
    "type":"structure",
```

```
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>License version.</p>"
      }
    }
  },
  "CreateLicenseVersionRequest":{
    "type":"structure",
    "required":[
      "LicenseArn",
      "LicenseName",
      "ProductName",
      "Issuer",
      "HomeRegion",
      "Validity",
      "Entitlements",
      "ConsumptionConfiguration",
      "Status",
      "ClientToken"
    ],

"members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "Issuer":{
        "shape":"Issuer",
        "documentation":"<p>License issuer.</p>"
      },
      "HomeRegion":{
```

```
        "shape":"String",
        "documentation":"<p>Home Region of the license.</p>"
      },
      "Validity":{
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License
 entitlements.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license. Choose a provisional configuration for
workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline
usage.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "SourceVersion":{
        "shape":"String",
        "documentation":"<p>Current version of the license.</p>"
      }
    }
  },
  "CreateLicenseVersionResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>License
 ARN.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>New version of the license.</p>"
```

```
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      }
    }
  },
  "CreateTokenRequest":{
    "type":"structure",
    "required":[
      "LicenseArn",
      "ClientToken"
    ],
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token.</p>"
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use.</p>"
      },
      "ExpirationInDays":{
        "shape":"Integer",
        "documentation":"<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Idempotency token, valid for 10 minutes.</p>"
      }
    }
  },
  "CreateTokenResponse":{
    "type":"structure",
    "members":{
      "TokenId":{
        "shape":"String",
        "documentation":"<p>Token ID.</p>"
      },
      "TokenType":{
```

```
      "shape":"TokenType",
      "documentation":"<p>Token type.</p>"
    },
    "Token":{
      "shape":"TokenString",
      "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
    }
  }
},
"DateTime":{"type":"timestamp"},
"DatetimeRange":{
  "type":"structure",
  "required":["Begin"],
  "members":{
    "Begin":{

    "shape":"ISO8601DateTime",
      "documentation":"<p>Start of the time range.</p>"
    },
    "End":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>End of the time range.</p>"
    }
  },
  "documentation":"<p>Describes a time range, in ISO8601-UTC format.</p>"
},
"DeleteGrantRequest":{
  "type":"structure",
  "required":[
    "GrantArn",
    "Version"
  ],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>The Status reason for the delete request.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Current version of the grant.</p>"
    }
  }
},
"DeleteGrantResponse":{
```

```
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
       "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
},
"DeleteLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>ID of the license configuration.</p>"
    }
  }
},
"DeleteLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseManagerReportGeneratorRequest":{
  "type":"structure",
  "required":["LicenseManagerReportGeneratorArn"],
  "members":{
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>"
     }
  }
},
"DeleteLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseRequest":{
  "type":"structure",
```

```
  "required":[
    "LicenseArn",
    "SourceVersion"
  ],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "SourceVersion":{
      "shape":"String",
      "documentation":"<p>Current version of the license.</p>"
    }
  }
},
"DeleteLicenseResponse":{
  "type":"structure",
  "members":{
    "Status":{
      "shape":"LicenseDeletionStatus",
      "documentation":"<p>License status.</p>"
    },
    "DeletionDate":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date when the license is deleted.</p>"
    }
  }
},
"DeleteTokenRequest":{
  "type":"structure",
  "required":["TokenId"],
   "members":{
    "TokenId":{
      "shape":"String",
      "documentation":"<p>Token ID.</p>"
    }
  }
},
"DeleteTokenResponse":{
  "type":"structure",
  "members":{
  }
},
"DigitalSignatureMethod":{
  "type":"string",
  "enum":["JWT_PS384"]
},
"Entitlement":{
```

```
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement resource. Use only if the unit is None.</p>"
    },
    "MaxCount":{
      "shape":"Long",
      "documentation":"<p>Maximum entitlement count. Use if the unit is not None.</p>"
    },
    "Overage":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether overages are allowed.</p>"
    },
    "Unit":{
       "shape":"EntitlementUnit",
      "documentation":"<p>Entitlement unit.</p>"
    },
    "AllowCheckIn":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether check-ins are allowed.</p>"
    }
  },
  "documentation":"<p>Describes a resource entitled for use with a license.</p>"
},
"EntitlementData":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement data name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement data value.</p>"
    },
```

```
    "Unit":{
      "shape":"EntitlementDataUnit",
      "documentation":"<p>Entitlement data unit.</p>"
    }
  },
  "documentation":"<p>Data associated with an entitlement resource.</p>"
},
"EntitlementDataList":{
  "type":"list",
  "member":{"shape":"EntitlementData"}
 },
"EntitlementDataUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
  ]
},
"EntitlementList":{
  "type":"list",
  "member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
```

```
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>The entitlement is not allowed.</p>",
  "exception":true
 },
"EntitlementUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
  ]
},
"EntitlementUsage":{
  "type":"structure",
  "required":[
    "Name",
    "ConsumedValue",
    "Unit"
  ],
  "members":{
    "Name":{
```

```
        "shape":"String",
        "documentation":"<p>Entitlement usage name.</p>"
      },
      "ConsumedValue":{
        "shape":"String",
        "documentation":"<p>Resource usage consumed.</p>"
      },
      "MaxCount":{
        "shape":"String",
        "documentation":"<p>Maximum entitlement usage count.</p>"
      },
      "Unit":{
        "shape":"EntitlementDataUnit",
        "documentation":"<p>Entitlement usage unit.</p>"
      }
    },
    "documentation":"<p>Usage associated with an entitlement resource.</p>"
  },
  "EntitlementUsageList":{
    "type":"list",
    "member":{"shape":"EntitlementUsage"}
  },
  "ExtendLicenseConsumptionRequest":{
    "type":"structure",
    "required":["LicenseConsumptionToken"],
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "DryRun":{
        "shape":"Boolean",
        "documentation":"<p>Checks whether you have the required permissions for the action, without actually
making the request. Provides
 an error response if you do not have the required permissions.</p>"
      }
    }
  },
  "ExtendLicenseConsumptionResponse":{
    "type":"structure",
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "Expiration":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Date and time at which the license consumption expires.</p>"
```

```
    }
   }
  },
  "FailedDependencyException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"},
    "ErrorCode":{"shape":"String"}
   },
   "documentation":"<p>A dependency required to run the API is missing.</p>",
   "exception":true
  },
  "Filter":{
   "type":"structure",
   "members":{
    "Name":{
     "shape":"FilterName",
     "documentation":"<p>Name of the filter. Filter names are case-sensitive.</p>"
    },
    "Values":{

     "shape":"FilterValues",
     "documentation":"<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
    }
   },
   "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
  },
  "FilterLimitExceededException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"}
   },
   "documentation":"<p>The request uses too many filters or too many filter values.</p>",
   "exception":true
  },
  "FilterList":{
   "type":"list",
   "member":{"shape":"Filter"}
  },
  "FilterName":{"type":"string"},
  "FilterValue":{"type":"string"},
  "FilterValues":{
   "type":"list",
   "member":{"shape":"FilterValue"}
  },
  "Filters":{
```

```
    "type":"list",
    "member":{"shape":"Filter"}
  },

 "GetAccessTokenRequest":{
    "type":"structure",
    "required":["Token"],
    "members":{
      "Token":{
        "shape":"TokenString",
        "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Token properties to validate against those present in the JWT token.</p>"
      }
    }
  },
  "GetAccessTokenResponse":{
    "type":"structure",
    "members":{
      "AccessToken":{
        "shape":"TokenString",
        "documentation":"<p>Temporary access token.</p>"
      }
    }
  },
  "GetGrantRequest":{
    "type":"structure",
    "required":["GrantArn"],
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Grant version.</p>"
      }
    }
  },
   "GetGrantResponse":{
    "type":"structure",
    "members":{
      "Grant":{
        "shape":"Grant",
        "documentation":"<p>Grant details.</p>"
      }
```

```
  }
},
"GetLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
  }
},
"GetLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationId":{
      "shape":"String",
      "documentation":"<p>Unique ID for the license configuration.</p>"
    },
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "Name":{
      "shape":"String",
      "documentation":"<p>Name of the license configuration.</p>"
     },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the license configuration.</p>"
    },
    "LicenseCountingType":{
      "shape":"LicenseCountingType",
      "documentation":"<p>Dimension for which the licenses are counted.</p>"
    },
    "LicenseRules":{
      "shape":"StringList",
      "documentation":"<p>License rules.</p>"
    },
    "LicenseCount":{
      "shape":"BoxLong",
      "documentation":"<p>Number of available licenses.</p>"
    },
    "LicenseCountHardLimit":{
      "shape":"BoxBoolean",
      "documentation":"<p>Sets the number of available licenses as a hard limit.</p>"
    },
    "ConsumedLicenses":{
```

```
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses assigned to resources.</p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>License configuration status.</p>"
     },
    "OwnerAccountId":{
      "shape":"String",
      "documentation":"<p>Account ID of the owner of the license configuration.</p>"
    },
    "ConsumedLicenseSummaryList":{
      "shape":"ConsumedLicenseSummaryList",
      "documentation":"<p>Summaries of the licenses consumed by resources.</p>"
    },
    "ManagedResourceSummaryList":{
      "shape":"ManagedResourceSummaryList",
      "documentation":"<p>Summaries of the managed resources.</p>"
    },
    "Tags":{
      "shape":"TagList",
      "documentation":"<p>Tags for the license configuration.</p>"
    },
    "ProductInformationList":{
      "shape":"ProductInformationList",
      "documentation":"<p>Product information.</p>"
    },
    "AutomatedDiscoveryInformation":{
      "shape":"AutomatedDiscoveryInformation",
      "documentation":"<p>Automated discovery information.</p>"
    },
    "DisassociateWhenNotFound":{
       "shape":"BoxBoolean",
      "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
    }
  }
},
"GetLicenseConversionTaskRequest":{
  "type":"structure",
  "required":["LicenseConversionTaskId"],
  "members":{
    "LicenseConversionTaskId":{
      "shape":"LicenseConversionTaskId",
      "documentation":"<p>ID of the license type conversion task to retrieve information on.</p>"
    }
  }
},
"GetLicenseConversionTaskResponse":{
```

```
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>ID of the license type conversion task.</p>"
      },
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Names (ARN) of the resources the license conversion task is
associated with.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
         "documentation":"<p>Information about the license type converted from.</p>"
      },
      "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type converted to.</p>"
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for the conversion task.</p>"
      },
      "Status":{
        "shape":"LicenseConversionTaskStatus",
        "documentation":"<p>Status of the license type conversion task.</p>"
      },
      "StartTime":{
        "shape":"DateTime",
        "documentation":"<p>Time at which the license type conversion task was started .</p>"
      },
      "LicenseConversionTime":{
        "shape":"DateTime",
        "documentation":"<p>Amount of time to complete the license type conversion.</p>"
      },
      "EndTime":{
        "shape":"DateTime",
        "documentation":"<p>Time
 at which the license type conversion task was completed.</p>"
      }
    }
  },
  "GetLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":["LicenseManagerReportGeneratorArn"],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
```

```
      "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
    }
  }
},
"GetLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
    "ReportGenerator":{
      "shape":"ReportGenerator",
      "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
    }
  }
},
"GetLicenseRequest":{
  "type":"structure",
  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "Version":{

 "shape":"String",
      "documentation":"<p>License version.</p>"
    }
  }
},
"GetLicenseResponse":{
  "type":"structure",
  "members":{
    "License":{
      "shape":"License",
      "documentation":"<p>License details.</p>"
    }
  }
},
"GetLicenseUsageRequest":{
  "type":"structure",
  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    }
  }
},
"GetLicenseUsageResponse":{
```

```
    "type":"structure",
    "members":{
      "LicenseUsage":{
        "shape":"LicenseUsage",
        "documentation":"<p>License usage details.</p>"
      }
    }
  },
  "GetServiceSettingsRequest":{
    "type":"structure",
    "members":{
    }
  },
  "GetServiceSettingsResponse":{
    "type":"structure",
    "members":{
      "S3BucketArn":{
        "shape":"String",

      "documentation":"<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on.</p>"
      },
      "SnsTopicArn":{
        "shape":"String",
        "documentation":"<p>SNS topic configured to receive notifications from License Manager.</p>"
      },
      "OrganizationConfiguration":{
        "shape":"OrganizationConfiguration",
        "documentation":"<p>Indicates whether Organizations is integrated with License Manager for cross-account discovery.</p>"
      },
      "EnableCrossAccountsDiscovery":{
        "shape":"BoxBoolean",
        "documentation":"<p>Indicates whether cross-account discovery is enabled.</p>"
      },
      "LicenseManagerResourceShareArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share.</p>"
      }
    }
  },
  "Grant":{
    "type":"structure",
    "required":[
      "GrantArn",
      "GrantName",
      "ParentArn",
```

```
  "LicenseArn",
  "GranteePrincipalArn",
  "HomeRegion",
  "GrantStatus",
  "Version",
  "GrantedOperations"
 ],
 "members":{
  "GrantArn":{
    "shape":"Arn",
    "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
  },
  "GrantName":{
    "shape":"String",
    "documentation":"<p>Grant name.</p>"
  },
  "ParentArn":{
    "shape":"Arn",
    "documentation":"<p>Parent ARN.</p>"
  },
  "LicenseArn":{
    "shape":"Arn",
    "documentation":"<p>License ARN.</p>"
  },
  "GranteePrincipalArn":{
    "shape":"Arn",
    "documentation":"<p>The grantee principal ARN.</p>"
  },
  "HomeRegion":{
    "shape":"String",
    "documentation":"<p>Home Region of the grant.</p>"
  },
  "GrantStatus":{
     "shape":"GrantStatus",
    "documentation":"<p>Grant status.</p>"
  },
  "StatusReason":{
    "shape":"StatusReasonMessage",
    "documentation":"<p>Grant status reason.</p>"
  },
  "Version":{
    "shape":"String",
    "documentation":"<p>Grant version.</p>"
  },
  "GrantedOperations":{
    "shape":"AllowedOperationList",
    "documentation":"<p>Granted operations.</p>"
  },
```

```
    "Options":{
      "shape":"Options",
      "documentation":"<p>The options specified for the grant.</p>"
    }
   },
   "documentation":"<p>Describes a grant.</p>"
  },
  "GrantList":{
   "type":"list",
   "member":{"shape":"Grant"}
  },
  "GrantStatus":{
   "type":"string",
   "enum":[
    "PENDING_WORKFLOW",
    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
    "FAILED_WORKFLOW",
    "DELETED",
    "PENDING_DELETE",
    "DISABLED",

"WORKFLOW_COMPLETED"
   ]
  },
  "GrantedLicense":{
   "type":"structure",
   "members":{
    "LicenseArn":{
     "shape":"Arn",
     "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "LicenseName":{
     "shape":"String",
     "documentation":"<p>License name.</p>"
    },
    "ProductName":{
     "shape":"String",
     "documentation":"<p>Product name.</p>"
    },
    "ProductSKU":{
     "shape":"String",
     "documentation":"<p>Product SKU.</p>"
    },
    "Issuer":{
     "shape":"IssuerDetails",
     "documentation":"<p>Granted license issuer.</p>"
```

```
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the granted license.</p>"
    },
    "Status":{
      "shape":"LicenseStatus",
      "documentation":"<p>Granted license status.</p>"
    },
    "Validity":{
      "shape":"DatetimeRange",
       "documentation":"<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
    },
    "Beneficiary":{
      "shape":"String",
      "documentation":"<p>Granted license beneficiary.</p>"
    },
    "Entitlements":{
      "shape":"EntitlementList",
      "documentation":"<p>License entitlements.</p>"
    },
    "ConsumptionConfiguration":{
      "shape":"ConsumptionConfiguration",
      "documentation":"<p>Configuration for consumption of the license.</p>"
    },
    "LicenseMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>Granted license metadata.</p>"
    },
    "CreateTime":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Creation time of the granted license.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Version of the granted license.</p>"
    },
    "ReceivedMetadata":{
       "shape":"ReceivedMetadata",
      "documentation":"<p>Granted license received metadata.</p>"
    }
  },
  "documentation":"<p>Describes a license that is granted to a grantee.</p>"
 },
 "GrantedLicenseList":{
  "type":"list",
  "member":{"shape":"GrantedLicense"}
```

```
  },
  "ISO8601DateTime":{
    "type":"string",
    "max":50,
    "pattern":"^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-
9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
  },
  "Integer":{"type":"integer"},
  "InvalidParameterValueException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>One or more parameter values are not valid.</p>",
    "exception":true,
    "synthetic":true
  },
  "InvalidResourceStateException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}

  },
    "documentation":"<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For
example, you cannot allocate a license to an instance in the process of shutting down.</p>",
    "exception":true
  },
  "InventoryFilter":{
    "type":"structure",
    "required":[
      "Name",
      "Condition"
    ],
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Name of the filter.</p>"
      },
      "Condition":{
        "shape":"InventoryFilterCondition",
        "documentation":"<p>Condition of the filter.</p>"
      },
      "Value":{
        "shape":"String",
        "documentation":"<p>Value of the filter.</p>"
      }
    },
    "documentation":"<p>An inventory filter.</p>"
```

```
  },
  "InventoryFilterCondition":{
    "type":"string",
    "enum":[
      "EQUALS",
      "NOT_EQUALS",
      "BEGINS_WITH",
      "CONTAINS"
    ]
  },
  "InventoryFilterList":{
     "type":"list",
    "member":{"shape":"InventoryFilter"}
  },
  "Issuer":{
    "type":"structure",
    "required":["Name"],
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      }
    },
    "documentation":"<p>Details about the issuer of a license.</p>"
  },
  "IssuerDetails":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      },
      "KeyFingerprint":{
        "shape":"String",
        "documentation":"<p>Issuer key fingerprint.</p>"
      }
    },
    "documentation":"<p>Details associated with the issuer of a license.</p>"
```

```
},
"License":{
  "type":"structure",
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "LicenseName":{
      "shape":"String",
      "documentation":"<p>License name.</p>"
    },
    "ProductName":{
      "shape":"String",
      "documentation":"<p>Product name.</p>"
    },
    "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
    },
    "Issuer":{
      "shape":"IssuerDetails",
      "documentation":"<p>License issuer.</p>"
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the license.</p>"
     },
    "Status":{
      "shape":"LicenseStatus",
      "documentation":"<p>License status.</p>"
    },
    "Validity":{
      "shape":"DatetimeRange",
      "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
    },
    "Beneficiary":{
      "shape":"String",
      "documentation":"<p>License beneficiary.</p>"
    },
    "Entitlements":{
      "shape":"EntitlementList",
      "documentation":"<p>License entitlements.</p>"
    },
    "ConsumptionConfiguration":{
      "shape":"ConsumptionConfiguration",
      "documentation":"<p>Configuration for consumption of the license.</p>"
    },
```

```
    "LicenseMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>License metadata.</p>"
    },
    "CreateTime":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>License creation time.</p>"
    },
    "Version":{
       "shape":"String",
      "documentation":"<p>License version.</p>"
    }
  },
  "documentation":"<p>Software license that is managed in License Manager.</p>"
},
"LicenseConfiguration":{
  "type":"structure",
  "members":{
    "LicenseConfigurationId":{
      "shape":"String",
      "documentation":"<p>Unique ID of the license configuration.</p>"
    },
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "Name":{
      "shape":"String",
      "documentation":"<p>Name of the license configuration.</p>"
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the license configuration.</p>"
    },
    "LicenseCountingType":{
      "shape":"LicenseCountingType",
      "documentation":"<p>Dimension to use to track the license inventory.</p>"
     },
    "LicenseRules":{
      "shape":"StringList",
      "documentation":"<p>License rules.</p>"
    },
    "LicenseCount":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses managed by the license configuration.</p>"
    },
    "LicenseCountHardLimit":{
      "shape":"BoxBoolean",
```

```
      "documentation":"<p>Number of available licenses as a hard limit.</p>"
    },
    "DisassociateWhenNotFound":{
      "shape":"BoxBoolean",
      "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
    },
    "ConsumedLicenses":{
      "shape":"BoxLong",
      "documentation":"<p>Number of licenses consumed. </p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>Status of the license configuration.</p>"
    },
    "OwnerAccountId":{
      "shape":"String",
      "documentation":"<p>Account ID of the license
 configuration's owner.</p>"
    },
    "ConsumedLicenseSummaryList":{
      "shape":"ConsumedLicenseSummaryList",
      "documentation":"<p>Summaries for licenses consumed by various resources.</p>"
    },
    "ManagedResourceSummaryList":{
      "shape":"ManagedResourceSummaryList",
      "documentation":"<p>Summaries for managed resources.</p>"
    },
    "ProductInformationList":{
      "shape":"ProductInformationList",
      "documentation":"<p>Product information.</p>"
    },
    "AutomatedDiscoveryInformation":{
      "shape":"AutomatedDiscoveryInformation",
      "documentation":"<p>Automated discovery information.</p>"
    }
  },
  "documentation":"<p>A license configuration is an abstraction of a customer license agreement that can be
 consumed and enforced by License Manager. Components include specifications for the license type (licensing by
 instance, socket, CPU, or vCPU), allowed tenancy (shared
 tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with
 a host), and the number of licenses purchased and used.</p>"
 },
 "LicenseConfigurationAssociation":{
  "type":"structure",
  "members":{
   "ResourceArn":{
    "shape":"String",
    "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
```

```
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of server resource.</p>"
      },
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":"<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":"<p>Time when the license configuration was associated with the resource.</p>"
      },
      "AmiAssociationScope":{
        "shape":"String",
        "documentation":"<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
      }
    },
    "documentation":"<p>Describes an association with a license configuration.</p>"
  },
  "LicenseConfigurationAssociations":{
    "type":"list",
    "member":{"shape":"LicenseConfigurationAssociation"}
  },
  "LicenseConfigurationStatus":{
    "type":"string",
    "enum":[
      "AVAILABLE",
      "DISABLED"
    ]
  },
  "LicenseConfigurationUsage":{
    "type":"structure",
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of resource.</p>"
      },
      "ResourceStatus":{
        "shape":"String",
        "documentation":"<p>Status of the resource.</p>"
      },
```

```
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":"<p>ID of
 the account that owns the resource.</p>"
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":"<p>Time when the license configuration was initially associated with the resource.</p>"
      },
      "ConsumedLicenses":{
        "shape":"BoxLong",
        "documentation":"<p>Number of licenses consumed by the resource.</p>"
      }
    },
    "documentation":"<p>Details about the usage of a resource associated with a license configuration.</p>"
  },
  "LicenseConfigurationUsageList":{
    "type":"list",
    "member":{"shape":"LicenseConfigurationUsage"}
  },
  "LicenseConfigurations":{
    "type":"list",
    "member":{"shape":"LicenseConfiguration"}
  },
  "LicenseConversionContext":{
    "type":"structure",
    "members":{
      "UsageOperation":{
        "shape":"UsageOperation",
        "documentation":"<p>The Usage operation value that corresponds to the license type you are converting your
resource
 from. For more information about which platforms correspond to which usage operation values see <a
href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-fields.html#billing-info\">Sample
data: usage operation by platform </a> </p>"
      }
    },
    "documentation":"<p>Information about a license type conversion task.</p>"
  },
  "LicenseConversionTask":{
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>The ID of the license type conversion task.</p>"
      },
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>The Amazon Resource Name (ARN) of the resource associated with the license type
```

```
conversion task.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type this conversion task converted from.</p>"
      },

     "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type this conversion task converted to.</p>"
      },
      "Status":{
        "shape":"LicenseConversionTaskStatus",
        "documentation":"<p>The status of the conversion task.</p>"
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for the conversion task.</p>"
      },
      "StartTime":{
        "shape":"DateTime",
        "documentation":"<p>The time the conversion task was started at.</p>"
      },
      "LicenseConversionTime":{
        "shape":"DateTime",
        "documentation":"<p>The time the usage operation value of the resource was changed.</p>"
      },
      "EndTime":{
        "shape":"DateTime",
        "documentation":"<p>The time the conversion task was completed.</p>"
      }
    },
    "documentation":"<p>Information about a
 license type conversion task.</p>"
  },
  "LicenseConversionTaskId":{
    "type":"string",
    "max":50,
    "pattern":"^lct-[a-zA-Z0-9]*"
  },
  "LicenseConversionTaskStatus":{
    "type":"string",
    "enum":[
      "IN_PROGRESS",
      "SUCCEEDED",
      "FAILED"
    ]
  },
```

```
"LicenseConversionTasks":{
  "type":"list",
  "member":{"shape":"LicenseConversionTask"}
},
"LicenseCountingType":{
  "type":"string",
  "enum":[
    "vCPU",
    "Instance",
    "Core",
    "Socket"
  ]
},
"LicenseDeletionStatus":{
  "type":"string",
  "enum":[
    "PENDING_DELETE",
    "DELETED"
  ]
},
"LicenseList":{
  "type":"list",
  "member":{"shape":"License"}
},
"LicenseOperationFailure":{
  "type":"structure",
  "members":{
    "ResourceArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },

"ResourceType":{
      "shape":"ResourceType",
      "documentation":"<p>Resource type.</p>"
    },
    "ErrorMessage":{
      "shape":"String",
      "documentation":"<p>Error message.</p>"
    },
    "FailureTime":{
      "shape":"DateTime",
      "documentation":"<p>Failure time.</p>"
    },
    "OperationName":{
      "shape":"String",
      "documentation":"<p>Name of the operation.</p>"
    },
```

```
    "ResourceOwnerId":{
      "shape":"String",
      "documentation":"<p>ID of the Amazon Web Services account that owns the resource.</p>"
    },
    "OperationRequestedBy":{
      "shape":"String",
      "documentation":"<p>The requester is \"License Manager Automated Discovery\".</p>"
    },
    "MetadataList":{
      "shape":"MetadataList",
      "documentation":"<p>Reserved.</p>"
    }
  },
  "documentation":"<p>Describes the failure of a license operation.</p>"
},
 "LicenseOperationFailureList":{
  "type":"list",
  "member":{"shape":"LicenseOperationFailure"}
},
"LicenseSpecification":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "AmiAssociationScope":{
      "shape":"String",
      "documentation":"<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
    }
  },
  "documentation":"<p>Details for associating a license configuration with a resource.</p>"
},
"LicenseSpecifications":{
  "type":"list",
  "member":{"shape":"LicenseSpecification"}
},
"LicenseStatus":{
  "type":"string",
  "enum":[
    "AVAILABLE",
    "PENDING_AVAILABLE",
    "DEACTIVATED",
    "SUSPENDED",
    "EXPIRED",
    "PENDING_DELETE",
```

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      "DELETED"
    ]
  },
  "LicenseUsage":{
    "type":"structure",
    "members":{
      "EntitlementUsages":{
        "shape":"EntitlementUsageList",
        "documentation":"<p>License entitlement usages.</p>"
      }
    },
    "documentation":"<p>Describes the entitlement usage associated with a license.</p>"
  },
  "LicenseUsageException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>You do not have enough licenses available to support a new resource launch.</p>",
    "exception":true
  },
  "ListAssociationsForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of a license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum
number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListAssociationsForLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationAssociations":{
        "shape":"LicenseConfigurationAssociations",
        "documentation":"<p>Information about the associations for the license configuration.</p>"
      },
      "NextToken":{
```

```
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListDistributedGrantsRequest":{
    "type":"structure",
    "members":{
     "GrantArns":{
      "shape":"ArnList",
      "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
     },
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>Filters to scope the results.
 The following filters are supported:</p> <ul> <li> <p> <code>LicenseArn</code> </p> </li> <li> <p>
<code>GrantStatus</code> </p> </li> <li> <p> <code>GranteePrincipalARN</code> </p> </li> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> </ul>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListDistributedGrantsResponse":{
    "type":"structure",
    "members":{
     "Grants":{
      "shape":"GrantList",
      "documentation":"<p>Distributed grant details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListFailuresForLicenseConfigurationOperationsRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
     "LicenseConfigurationArn":{
      "shape":"String",
```

```
      "documentation":"<p>Amazon Resource Name of the license configuration.</p>"
     },
     "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListFailuresForLicenseConfigurationOperationsResponse":{
    "type":"structure",
    "members":{
     "LicenseOperationFailureList":{
      "shape":"LicenseOperationFailureList",
      "documentation":"<p>License configuration operations that failed.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }

  },
   "ListLicenseConfigurationsRequest":{
    "type":"structure",
    "members":{
     "LicenseConfigurationArns":{
      "shape":"StringList",
      "documentation":"<p>Amazon Resource Names (ARN) of the license configurations.</p>"
     },
     "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "Filters":{
      "shape":"Filters",
      "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>licenseCountingType</code> - The dimension for which licenses are counted.
Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li>
```

 <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.   <code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. "
      }
    }
  },
  "ListLicenseConfigurationsResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurations":{
        "shape":"LicenseConfigurations",
        "documentation":" Information about the license configurations. "
      },
      "NextToken":{
        "shape":"String",
        "documentation":" Token for the next set of results. "
      }
    }
  },
  "ListLicenseConversionTasksRequest":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":" Token
for the next set of results. "
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":" Maximum number of results to return in a single call. "
      },
      "Filters":{
        "shape":"Filters",
        "documentation":" Filters to scope the results. Valid filters are <code>ResourceArns</code> and
<code>Status</code>. "
      }
    }
  },
  "ListLicenseConversionTasksResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTasks":{
        "shape":"LicenseConversionTasks",
        "documentation":" Information about the license configuration tasks for your account. "
      },
      "NextToken":{
        "shape":"String",

```
        "documentation":"<p>Token for the next set of results.</p>"
       }
      }
    },
    "ListLicenseManagerReportGeneratorsRequest":{
      "type":"structure",
      "members":{
        "Filters":{
          "shape":"FilterList",
          "documentation":"<p>Filters
 to scope the results. The following filters are supported: </p> <ul> <li> <p>
<code>LicenseConfigurationArn</code> </p> </li> </ul>"
        },
        "NextToken":{
          "shape":"String",
          "documentation":"<p>Token for the next set of results.</p>"
        },
        "MaxResults":{
          "shape":"MaxSize100",
          "documentation":"<p>Maximum number of results to return in a single call.</p>"
        }
      }
    },
    "ListLicenseManagerReportGeneratorsResponse":{
      "type":"structure",
      "members":{
        "ReportGenerators":{
          "shape":"ReportGeneratorList",
          "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
        },
        "NextToken":{
          "shape":"String",
          "documentation":"<p>Token for the next set of results.</p>"
        }
      }
    },
    "ListLicenseSpecificationsForResourceRequest":{
      "type":"structure",
      "required":["ResourceArn"],
       "members":{
        "ResourceArn":{
          "shape":"String",
          "documentation":"<p>Amazon Resource Name (ARN) of a resource that has an associated license
configuration.</p>"
        },
        "MaxResults":{
          "shape":"BoxInteger",
          "documentation":"<p>Maximum number of results to return in a single call.</p>"
```

```
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListLicenseSpecificationsForResourceResponse":{
  "type":"structure",
  "members":{
    "LicenseSpecifications":{
      "shape":"LicenseSpecifications",
      "documentation":"<p>License configurations associated with a resource.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListLicenseVersionsRequest":{
  "type":"structure",

  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    },
    "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    }
  }
},
"ListLicenseVersionsResponse":{
  "type":"structure",
  "members":{
    "Licenses":{
      "shape":"LicenseList",
      "documentation":"<p>License details.</p>"
    },
    "NextToken":{
      "shape":"String",
```

```
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListLicensesRequest":{
    "type":"structure",
    "members":{
     "LicenseArns":{
      "shape":"ArnList",
      "documentation":"<p>Amazon Resource Names
 (ARNs) of the licenses.</p>"
     },
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> <li> <p>
<code>Fingerprint</code> </p> </li> <li> <p> <code>Status</code> </p> </li> </ul>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"LicenseList",
      "documentation":"<p>License details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListReceivedGrantsForOrganizationRequest":{
    "type":"structure",
    "required":["LicenseArn"],
    "members":{
     "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>The Amazon Resource Name (ARN) of the received license.</p>"
```

```
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ParentArn</code> </p> </li> <li> <p> <code>GranteePrincipalArn</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedGrantsForOrganizationResponse":{
    "type":"structure",
    "members":{
      "Grants":{

  "shape":"GrantList",
        "documentation":"<p>Lists the grants the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedGrantsRequest":{
    "type":"structure",
    "members":{
      "GrantArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> <li> <p>
<code>LicenseArn</code> </p> </li> <li> <p> <code>GrantStatus</code> </p> </li> <li> <p>
<code>GranterAccountId</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
```

```
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedGrantsResponse":{
    "type":"structure",
    "members":{
      "Grants":{
        "shape":"GrantList",
        "documentation":"<p>Received grant details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedLicensesForOrganizationRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedLicensesForOrganizationResponse":{
    "type":"structure",
    "members":{
      "Licenses":{
        "shape":"GrantedLicenseList",
        "documentation":"<p>Lists the licenses the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
```

```
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListReceivedLicensesRequest":{
    "type":"structure",
    "members":{
     "LicenseArns":{
      "shape":"ArnList",
      "documentation":"<p>Amazon Resource Names (ARNs) of the licenses.</p>"
     },
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code>
 </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p> <code>Fingerprint</code> </p> </li> <li> <p>
<code>IssuerName</code> </p> </li> <li> <p> <code>Beneficiary</code> </p> </li> </ul>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListReceivedLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"GrantedLicenseList",
      "documentation":"<p>Received license details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListResourceInventoryRequest":{
    "type":"structure",
    "members":{
     "MaxResults":{
      "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
```

```
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"InventoryFilterList",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are supported:</p> <ul> <li> <p> <code>account_id</code> - The ID of the Amazon Web Services account that owns the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p> </li> <li> <p> <code>license_included</code> - The type of license included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.</p> </li> <li> <p> <code>platform</code> - The platform of the resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p> </li> <li> <p> <code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>tag:&amp;lt;key&amp;gt;</code> - The key/value combination of a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or <code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p> </li> </ul>"
      }
    }
  },
  "ListResourceInventoryResponse":{
    "type":"structure",
    "members":{
      "ResourceInventoryList":{
        "shape":"ResourceInventoryList",
        "documentation":"<p>Information about the resources.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListTagsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    }
  },
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
```

```
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Information about the tags.</p>"
      }
    }
  },
  "ListTokensRequest":{
    "type":"structure",
    "members":{
      "TokenIds":{
        "shape":"StringList",
        "documentation":"<p>Token IDs.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filter is supported:</p> <ul> <li> <p>
<code>LicenseArns</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListTokensResponse":{
    "type":"structure",
    "members":{
      "Tokens":{
        "shape":"TokenList",
        "documentation":"<p>Received token details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListUsageForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
```

```
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },

 "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>resourceArn</code> - The ARN of the license configuration resource. Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> |
<code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>resourceAccount</code>
- The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p> </li> </ul>"
      }
    }
  },
  "ListUsageForLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationUsageList":{
        "shape":"LicenseConfigurationUsageList",
        "documentation":"<p>Information about the license configurations.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "Location":{"type":"string"},
  "Long":{"type":"long"},
  "ManagedResourceSummary":{
    "type":"structure",
    "members":{
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of resource associated with a license.</p>"
      },
      "AssociationCount":{
        "shape":"BoxLong",
```

```
      "documentation":"<p>Number of resources associated with licenses.</p>"
     }
    },
    "documentation":"<p>Summary information about a managed resource.</p>"
   },
   "ManagedResourceSummaryList":{
    "type":"list",
    "member":{"shape":"ManagedResourceSummary"}
   },
   "MaxSize100":{
     "type":"integer",
    "max":100,
    "min":1
   },
   "MaxSize3StringList":{
    "type":"list",
    "member":{"shape":"String"},
    "max":3
   },
   "Message":{"type":"string"},
   "Metadata":{
    "type":"structure",
    "members":{
     "Name":{
      "shape":"String",
      "documentation":"<p>The key name.</p>"
     },
     "Value":{
      "shape":"String",
      "documentation":"<p>The value.</p>"
     }
    },
    "documentation":"<p>Describes key/value pairs.</p>"
   },
   "MetadataList":{
    "type":"list",
    "member":{"shape":"Metadata"}
   },
   "NoEntitlementsAllowedException":{
    "type":"structure",
    "members":{
     "Message":{"shape":"Message"}
    },
    "documentation":"<p>There are no entitlements found for this license, or the entitlement maximum count is
reached.</p>",
    "exception":true
   },
   "Options":{
```

```
    "type":"structure",
    "members":{
      "ActivationOverrideBehavior":{
        "shape":"ActivationOverrideBehavior",
        "documentation":"<p>An activation option for your grant that determines the behavior of activating a grant. Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the <code>Status</code> parameter.</p> <ul> <li> <p>As a license administrator, you can optionally specify an <code>ActivationOverrideBehavior</code> when activating a grant.</p> </li> <li> <p>As a grantor, you can optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in your organization.</p> </li> <li> <p>As a grantee, if the grantor creating the distributed grant doesnt specify an <code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.</p> </li> </ul> <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> <p>Use this value to activate a grant without replacing any member accounts active grants for the same product.</p> </dd> <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> <p>Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.</p> </dd> </dl>"
      }
    },
    "documentation":"<p>The options you can specify when you create a new version of a grant, such as activation override behavior. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
  },
  "OrganizationConfiguration":{
    "type":"structure",
    "required":["EnableIntegration"],
    "members":{
      "EnableIntegration":{
        "shape":"Boolean",
        "documentation":"<p>Enables Organizations integration.</p>"
      }
    },

    "documentation":"<p>Configuration information for Organizations.</p>"
  },
  "PrincipalArnList":{
    "type":"list",
    "member":{"shape":"Arn"},
    "max":1,
    "min":1
  },
  "ProductInformation":{
    "type":"structure",
    "required":[
      "ResourceType",
      "ProductInformationFilterList"
    ],
```

```
    "members":{
      "ResourceType":{
        "shape":"String",
        "documentation":"<p>Resource type. The possible values are <code>SSM_MANAGED</code> |
<code>RDS</code>.</p>"
      },
      "ProductInformationFilterList":{
        "shape":"ProductInformationFilterList",
        "documentation":"<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p> <p>Accepted values for
<code>ProductInformationFilterName</code>
 are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>.
</p> <p>The following filters and are supported when the resource type is <code>SSM_MANAGED</code>:</p>
<ul> <li> <p> <code>Application Name</code> - The name of the application. Logical operator is
<code>EQUALS</code>.</p> </li> <li> <p> <code>Application Publisher</code> - The publisher of the
application. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p> <code>Application Version</code> -
The version of the application. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p> <code>Platform
Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p>
<code>Platform Type</code> - The platform type. Logical operator is <code>EQUALS</code>.</p> </li> <li>
<p> <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude
from automated discovery. Logical
 operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code>
following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is
optional if you are not using values for the key. </p> </li> <li> <p> <code>AccountId</code> - The 12-digit ID of
an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>License Included</code> - The type of license
included. Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>. Possible values are:
<code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> |
<code>windows-server-datacenter</code>.</p> </li> </ul> <p>The following filters and logical operators are
supported when the resource type is <code>RDS</code>:</p> <ul> <li> <p> <code>Engine Edition</code> - The
edition of the database engine. Logical operator is <code>EQUALS</code>. Possible
 values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p> </li> <li> <p> <code>License Pack</code> - The license pack. Logical operator is
<code>EQUALS</code>. Possible values are: <code>data guard</code> | <code>diagnostic pack sqlt</code> |
<code>tuning pack sqlt</code> | <code>ols</code> | <code>olap</code>.</p> </li> </ul>"
      }
    },
    "documentation":"<p>Describes product information for a license configuration.</p>"
  },
  "ProductInformationFilter":{
    "type":"structure",
    "required":[
      "ProductInformationFilterName",
      "ProductInformationFilterComparator"
    ],
    "members":{
```

```
      "ProductInformationFilterName":{
        "shape":"String",
        "documentation":"<p>Filter name.</p>"
      },
      "ProductInformationFilterValue":{
        "shape":"StringList",
        "documentation":"<p>Filter value.</p>"
      },
      "ProductInformationFilterComparator":{
         "shape":"String",
        "documentation":"<p>Logical operator.</p>"
      }
    },
    "documentation":"<p>Describes product information filters.</p>"
  },
  "ProductInformationFilterList":{
    "type":"list",
    "member":{"shape":"ProductInformationFilter"}
  },
  "ProductInformationList":{
    "type":"list",
    "member":{"shape":"ProductInformation"}
  },
  "ProvisionalConfiguration":{
    "type":"structure",
    "required":["MaxTimeToLiveInMinutes"],
    "members":{
      "MaxTimeToLiveInMinutes":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum time for the provisional configuration, in minutes.</p>"
      }
    },
    "documentation":"<p>Details about a provisional configuration.</p>"
  },
  "RateLimitExceededException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>Too many requests have been submitted. Try again after
a brief wait.</p>",
    "exception":true
  },
  "ReceivedMetadata":{
    "type":"structure",
    "members":{
      "ReceivedStatus":{
        "shape":"ReceivedStatus",
```

```
      "documentation":"<p>Received status.</p>"
    },
    "ReceivedStatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>Received status reason.</p>"
    },
    "AllowedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Allowed operations.</p>"
    }
  },
  "documentation":"<p>Metadata associated with received licenses and grants.</p>"
},
"ReceivedStatus":{
  "type":"string",
  "enum":[
    "PENDING_WORKFLOW",
    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
    "FAILED_WORKFLOW",
    "DELETED",
    "DISABLED",
    "WORKFLOW_COMPLETED"
  ]
},
"RedirectException":{
  "type":"structure",
  "members":{
    "Location":{"shape":"Location"},
     "Message":{"shape":"Message"}
  },
  "documentation":"<p>This is not the correct Region for the resource. Try again.</p>",
  "exception":true
},
"RejectGrantRequest":{
  "type":"structure",
  "required":["GrantArn"],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    }
  }
},
"RejectGrantResponse":{
  "type":"structure",
  "members":{
```

```
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Grant ARN.</p>"
      },
      "Status":{
        "shape":"GrantStatus",
        "documentation":"<p>Grant status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Grant version.</p>"
      }
    }
  },
  "RenewType":{
    "type":"string",
    "enum":[
      "None",
      "Weekly",
      "Monthly"
    ]
  },
  "ReportContext":{
    "type":"structure",
     "required":["licenseConfigurationArns"],
    "members":{
      "licenseConfigurationArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration that this generator reports on.</p>"
      }
    },
    "documentation":"<p>Details of the license configuration that this generator reports on.</p>"
  },
  "ReportFrequency":{
    "type":"structure",
    "members":{
      "value":{
        "shape":"Integer",
        "documentation":"<p>Number of times within the frequency period that a report is generated. The only supported value is <code>1</code>.</p>"
      },
      "period":{
        "shape":"ReportFrequencyType",
        "documentation":"<p>Time period between each report. The period can be daily, weekly, or monthly.</p>"
      }
    },
    "documentation":"<p>Details about how frequently reports are generated.</p>"
```

```
  },
  "ReportFrequencyType":{
    "type":"string",
    "enum":[
      "DAY",
      "WEEK",
      "MONTH"
    ]
  },
  "ReportGenerator":{
    "type":"structure",
    "members":{
      "ReportGeneratorName":{
        "shape":"String",
        "documentation":"<p>Name of the report generator.</p>"
      },
      "ReportType":{
        "shape":"ReportTypeList",
        "documentation":"<p>Type of reports that are generated.</p>"
      },
      "ReportContext":{
        "shape":"ReportContext",
        "documentation":"<p>License configuration type for this generator.</p>"
      },
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Details about how frequently reports are generated.</p>"
      },
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
      },
      "LastRunStatus":{
        "shape":"String",
        "documentation":"<p>Status of the
last report generation attempt.</p>"
      },
      "LastRunFailureReason":{
        "shape":"String",
        "documentation":"<p>Failure message for the last report generation attempt.</p>"
      },
      "LastReportGenerationTime":{
        "shape":"String",
        "documentation":"<p>Time the last report was generated at.</p>"
      },
      "ReportCreatorAccount":{
        "shape":"String",
        "documentation":"<p>The Amazon Web Services account ID used to create the report generator.</p>"
```

```
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the report generator.</p>"
    },
    "S3Location":{
      "shape":"S3Location",
      "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
    },
    "CreateTime":{
      "shape":"String",
      "documentation":"<p>Time the report was created.</p>"
    },
    "Tags":{

 "shape":"TagList",
      "documentation":"<p>Tags associated with the report generator.</p>"
    }
  },
  "documentation":"<p>Describe the details of a report generator.</p>"
},
"ReportGeneratorList":{
  "type":"list",
  "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
  "type":"string",
  "max":100,
  "min":1
},
"ReportType":{
  "type":"string",
  "enum":[
    "LicenseConfigurationSummaryReport",
    "LicenseConfigurationUsageReport"
  ]
},
"ReportTypeList":{
  "type":"list",
  "member":{"shape":"ReportType"}
},
"ResourceInventory":{
  "type":"structure",
  "members":{
    "ResourceId":{
      "shape":"String",
      "documentation":"<p>ID of the resource.</p>"
    },
```

```
    "ResourceType":{
      "shape":"ResourceType",
      "documentation":"<p>Type of resource.</p>"
    },
    "ResourceArn":{
      "shape":"String",
       "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },
    "Platform":{
      "shape":"String",
      "documentation":"<p>Platform of the resource.</p>"
    },
    "PlatformVersion":{
      "shape":"String",
      "documentation":"<p>Platform version of the resource in the inventory.</p>"
    },
    "ResourceOwningAccountId":{
      "shape":"String",
      "documentation":"<p>ID of the account that owns the resource.</p>"
    }
  },
  "documentation":"<p>Details about a resource.</p>"
},
"ResourceInventoryList":{
  "type":"list",
  "member":{"shape":"ResourceInventory"}
},
"ResourceLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>Your resource limits have been exceeded.</p>",
  "exception":true
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
     "Message":{"shape":"Message"}
  },
  "documentation":"<p>The resource cannot be found.</p>",
  "exception":true
},
"ResourceType":{
  "type":"string",
  "enum":[
    "EC2_INSTANCE",
    "EC2_HOST",
```

```
    "EC2_AMI",
    "RDS",
    "SYSTEMS_MANAGER_MANAGED_INSTANCE"
   ]
  },
  "S3Location":{
   "type":"structure",
   "members":{
    "bucket":{
     "shape":"String",
     "documentation":"<p>Name of the S3 bucket reports are published to.</p>"
    },
    "keyPrefix":{
     "shape":"String",
     "documentation":"<p>Prefix of the S3 bucket reports are published to.</p>"
    }
   },
   "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
  },
  "ServerInternalException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"}
   },
   "documentation":"<p>The server experienced an internal error. Try again.</p>",
    "exception":true,
   "fault":true
  },
  "SignedToken":{
   "type":"string",
   "min":4096
  },
  "StatusReasonMessage":{
   "type":"string",
   "max":400,
   "pattern":"[\\s\\S]+"
  },
  "String":{"type":"string"},
  "StringList":{
   "type":"list",
   "member":{"shape":"String"}
  },
  "Tag":{
   "type":"structure",
   "members":{
    "Key":{
     "shape":"String",
     "documentation":"<p>Tag key.</p>"
```

```
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Tag value.</p>"
    }
  },
  "documentation":"<p>Details about a tag for a license configuration.</p>"
},
"TagKeyList":{
  "type":"list",
  "member":{"shape":"String"}
},
"TagList":{
  "type":"list",
  "member":{"shape":"Tag"}
},
"TagResourceRequest":{
  "type":"structure",
  "required":[
    "ResourceArn",
    "Tags"
  ],
  "members":{
    "ResourceArn":{
       "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "Tags":{
      "shape":"TagList",
      "documentation":"<p>One or more tags.</p>"
    }
  }
},
"TagResourceResponse":{
  "type":"structure",
  "members":{
  }
},
"TokenData":{
  "type":"structure",
  "members":{
    "TokenId":{
      "shape":"String",
      "documentation":"<p>Token ID.</p>"
    },
    "TokenType":{
      "shape":"String",
      "documentation":"<p>Type of token generated. The supported value is
```

```
<code>REFRESH_TOKEN</code>.</p>"
      },
      "LicenseArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "ExpirationTime":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Token expiration time, in ISO8601-UTC format.</p>"
      },
      "TokenProperties":{
         "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller.</p>"
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARN) of the roles included in the token.</p>"
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>Token status. The possible values are <code>AVAILABLE</code> and
<code>DELETED</code>.</p>"
      }
    },
    "documentation":"<p>Describes a token.</p>"
  },
  "TokenList":{
    "type":"list",
    "member":{"shape":"TokenData"}
  },
  "TokenString":{
    "type":"string",
    "max":4096,
    "pattern":"\\S+"
  },
  "TokenType":{
    "type":"string",
    "enum":["REFRESH_TOKEN"]
  },
  "UnsupportedDigitalSignatureMethodException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The digital signature method is unsupported.
 Try your request again.</p>",
    "exception":true
  },
```

```
  "UntagResourceRequest":{
    "type":"structure",
    "required":[
      "ResourceArn",
      "TagKeys"
    ],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "TagKeys":{
        "shape":"TagKeyList",
        "documentation":"<p>Keys identifying the tags to remove.</p>"
      }
    }
  },
  "UntagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "LicenseConfigurationStatus":{
        "shape":"LicenseConfigurationStatus",
        "documentation":"<p>New
 status of the license configuration.</p>"
      },
      "LicenseRules":{
        "shape":"StringList",
        "documentation":"<p>New license rule. The only rule that you can add after you create a license configuration
is licenseAffinityToHost.</p>"
      },
      "LicenseCount":{
        "shape":"BoxLong",
        "documentation":"<p>New number of licenses managed by the license configuration.</p>"
      },
      "LicenseCountHardLimit":{
        "shape":"BoxBoolean",
        "documentation":"<p>New hard limit of the number of available licenses.</p>"
      },
```

```
      "Name":{
        "shape":"String",
        "documentation":"<p>New name of the license configuration.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>New description of the license configuration.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>New
product information.</p>"
      },
      "DisassociateWhenNotFound":{
        "shape":"BoxBoolean",
        "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
      }
    }
  },
  "UpdateLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":[
      "LicenseManagerReportGeneratorArn",
      "ReportGeneratorName",
      "Type",
      "ReportContext",
      "ReportFrequency",
      "ClientToken"
    ],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator to update.</p>"
      },
      "ReportGeneratorName":{
        "shape":"ReportGeneratorName",
        "documentation":"<p>Name of the report generator.</p>"
      },
      "Type":{
        "shape":"ReportTypeList",
        "documentation":"<p>Type of reports to generate. The following report types are supported:</p> <ul> <li>
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p> </li> <li> <p>Resource report - Reports the tracked licenses and resource consumption for a
```

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license configuration.</p> </li> </ul>"
      },
      "ReportContext":{
        "shape":"ReportContext",
        "documentation":"<p>The report context.</p>"
      },
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Frequency by which reports are generated.</p>"
      },
      "ClientToken":{
        "shape":"ClientRequestToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>Description of the report generator.</p>"

    }
    }
  },
  "UpdateLicenseManagerReportGeneratorResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseSpecificationsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>"
      },
      "AddLicenseSpecifications":{
        "shape":"LicenseSpecifications",
        "documentation":"<p>ARNs of the license configurations to add.</p>"
      },
      "RemoveLicenseSpecifications":{
        "shape":"LicenseSpecifications",
        "documentation":"<p>ARNs of the license configurations to remove.</p>"
      }
    }
  },
  "UpdateLicenseSpecificationsForResourceResponse":{
    "type":"structure",
    "members":{
```

```
    }
   },
   "UpdateServiceSettingsRequest":{
    "type":"structure",
    "members":{
     "S3BucketArn":{
       "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored.</p>"
     },
     "SnsTopicArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
     },
     "OrganizationConfiguration":{
      "shape":"OrganizationConfiguration",
      "documentation":"<p>Enables integration with Organizations for cross-account discovery.</p>"
     },
     "EnableCrossAccountsDiscovery":{
      "shape":"BoxBoolean",
      "documentation":"<p>Activates cross-account discovery.</p>"
     }
    }
   },
   "UpdateServiceSettingsResponse":{
    "type":"structure",
    "members":{
    }
   },
   "UsageOperation":{
    "type":"string",
    "max":50
   },
   "ValidationException":{
    "type":"structure",
    "members":{
     "Message":{"shape":"Message"}
     },
    "documentation":"<p>The provided input is not valid. Try your request again.</p>",
    "exception":true
   }
  },
  "documentation":"<p>License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers.</p>"
}
{
 "version":"2.0",
```

```
"metadata":{
  "apiVersion":"2018-05-10",
  "endpointPrefix":"license-manager-user-subscriptions",
  "jsonVersion":"1.1",
  "protocol":"rest-json",
  "serviceFullName":"AWS License Manager User Subscriptions",
  "serviceId":"License Manager User Subscriptions",
  "signatureVersion":"v4",
  "signingName":"license-manager-user-subscriptions",
  "uid":"license-manager-user-subscriptions-2018-05-10"
},
"operations":{
  "AssociateUser":{
    "name":"AssociateUser",
    "http":{
      "method":"POST",
      "requestUri":"/user/AssociateUser",
      "responseCode":200
    },
    "input":{"shape":"AssociateUserRequest"},
    "output":{"shape":"AssociateUserResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
       {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Associates the user to an EC2 instance to utilize user-based subscriptions.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>",
    "idempotent":true
  },
  "DeregisterIdentityProvider":{
    "name":"DeregisterIdentityProvider",
    "http":{
      "method":"POST",
      "requestUri":"/identity-provider/DeregisterIdentityProvider",
      "responseCode":200
    },
    "input":{"shape":"DeregisterIdentityProviderRequest"},
    "output":{"shape":"DeregisterIdentityProviderResponse"},
    "errors":[
```

```
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Deregisters the identity provider from providing user-based subscriptions.</p>",
  "idempotent":true
 },
 "DisassociateUser":{
  "name":"DisassociateUser",
  "http":{
    "method":"POST",
    "requestUri":"/user/DisassociateUser",
    "responseCode":200
  },
  "input":{"shape":"DisassociateUserRequest"},
  "output":{"shape":"DisassociateUserResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Disassociates the user from an EC2 instance providing user-based subscriptions.</p>",
  "idempotent":true
 },
 "ListIdentityProviders":{
  "name":"ListIdentityProviders",
  "http":{
    "method":"POST",
    "requestUri":"/identity-provider/ListIdentityProviders",
    "responseCode":200
  },
  "input":{"shape":"ListIdentityProvidersRequest"},
  "output":{"shape":"ListIdentityProvidersResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
```

```
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists the identity providers for user-based subscriptions.</p>"
},
"ListInstances":{
  "name":"ListInstances",
   "http":{
    "method":"POST",
    "requestUri":"/instance/ListInstances",
    "responseCode":200
  },
  "input":{"shape":"ListInstancesRequest"},
  "output":{"shape":"ListInstancesResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists the EC2 instances providing user-based subscriptions.</p>"
},
"ListProductSubscriptions":{
  "name":"ListProductSubscriptions",
  "http":{
    "method":"POST",
    "requestUri":"/user/ListProductSubscriptions",
    "responseCode":200
  },
  "input":{"shape":"ListProductSubscriptionsRequest"},
  "output":{"shape":"ListProductSubscriptionsResponse"},

  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists the user-based subscription products available from an identity provider.</p>"
},
"ListUserAssociations":{
  "name":"ListUserAssociations",
  "http":{
```

```
    "method":"POST",
    "requestUri":"/user/ListUserAssociations",
    "responseCode":200
   },
   "input":{"shape":"ListUserAssociationsRequest"},
   "output":{"shape":"ListUserAssociationsResponse"},
   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists user associations for an identity provider.</p>"
  },
  "RegisterIdentityProvider":{
   "name":"RegisterIdentityProvider",
   "http":{
    "method":"POST",
    "requestUri":"/identity-provider/RegisterIdentityProvider",
    "responseCode":200
   },
   "input":{"shape":"RegisterIdentityProviderRequest"},
   "output":{"shape":"RegisterIdentityProviderResponse"},
   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Registers an identity provider for user-based subscriptions.</p>",
   "idempotent":true
  },
  "StartProductSubscription":{
    "name":"StartProductSubscription",
   "http":{
    "method":"POST",
    "requestUri":"/user/StartProductSubscription",
    "responseCode":200
   },
   "input":{"shape":"StartProductSubscriptionRequest"},
   "output":{"shape":"StartProductSubscriptionResponse"},
   "errors":[
```

```
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Starts a product subscription for a user with the specified identity provider.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
 your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>"
  },
  "StopProductSubscription":{
    "name":"StopProductSubscription",
    "http":{
      "method":"POST",
      "requestUri":"/user/StopProductSubscription",
      "responseCode":200
    },
    "input":{"shape":"StopProductSubscriptionRequest"},
    "output":{"shape":"StopProductSubscriptionResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Stops a product subscription for a user with the specified identity provider.</p>"
  },
  "UpdateIdentityProviderSettings":{
    "name":"UpdateIdentityProviderSettings",
     "http":{
      "method":"POST",
      "requestUri":"/identity-provider/UpdateIdentityProviderSettings",
      "responseCode":200
    },
    "input":{"shape":"UpdateIdentityProviderSettingsRequest"},
    "output":{"shape":"UpdateIdentityProviderSettingsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"AccessDeniedException"}
```

```
    ],
    "documentation":"<p>Updates additional product configuration settings for the registered identity provider.</p>",
    "idempotent":true
   }
  },
  "shapes":{
   "AccessDeniedException":{
    "type":"structure",
    "members":{
     "message":{"shape":"String"}
    },
    "documentation":"<p>You don't have sufficient access to perform this action.</p>",
    "exception":true
   },
   "ActiveDirectoryIdentityProvider":{
    "type":"structure",
    "members":{
     "DirectoryId":{
      "shape":"String",
      "documentation":"<p>The directory ID for an Active Directory identity provider.</p>"
     }
    },
    "documentation":"<p>Details about an Active Directory identity provider.</p>"
   },
   "AssociateUserRequest":{
    "type":"structure",
    "required":[
     "IdentityProvider",
     "InstanceId",
     "Username"
    ],
    "members":{
     "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
     },
     "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>The identity provider of the user.</p>"
     },
     "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
     },
     "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
```

```
      }
    }
  },
  "AssociateUserResponse":{
    "type":"structure",
    "required":["InstanceUserSummary"],
    "members":{
      "InstanceUserSummary":{
        "shape":"InstanceUserSummary",
        "documentation":"<p>Metadata that describes the associate user operation.</p>"
      }
    }
  },
  "BoxInteger":{
    "type":"integer",
    "box":true
  },
  "ConflictException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request couldn't be completed because it conflicted with the current state of the resource.</p>",
    "exception":true,
    "fault":true
  },
  "DeregisterIdentityProviderRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product"
    ],
    "members":{
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      }
    }
  },
  "DeregisterIdentityProviderResponse":{
    "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
```

```
    "IdentityProviderSummary":{
      "shape":"IdentityProviderSummary",
      "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
    }
  }
},
"DisassociateUserRequest":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "InstanceId",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },

"InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
  }
},
"DisassociateUserResponse":{
  "type":"structure",
  "required":["InstanceUserSummary"],
  "members":{
    "InstanceUserSummary":{
      "shape":"InstanceUserSummary",
      "documentation":"<p>Metadata that describes the associate user operation.</p>"
    }
  }
},
"Filter":{
  "type":"structure",
  "members":{
    "Attribute":{
      "shape":"String",
```

```
      "documentation":"<p>The name of an attribute to use as a filter.</p>"
     },
     "Operation":{
      "shape":"String",
      "documentation":"<p>The type of search (For example, eq, geq, leq)</p>"
     },
     "Value":{

  "shape":"String",
      "documentation":"<p>Value of the filter.</p>"
     }
    },
    "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
   },
   "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
   },
   "IdentityProvider":{
    "type":"structure",
    "members":{
     "ActiveDirectoryIdentityProvider":{
      "shape":"ActiveDirectoryIdentityProvider",
      "documentation":"<p>An object that details an Active Directory identity provider.</p>"
     }
    },
    "documentation":"<p>Details about an identity provider.</p>",
    "union":true
   },
   "IdentityProviderSummary":{
    "type":"structure",
    "required":[
     "IdentityProvider",
     "Product",
     "Settings",
     "Status"
    ],
    "members":{
     "FailureMessage":{
       "shape":"String",
      "documentation":"<p>The failure message associated with an identity provider.</p>"
     },
     "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
     "Product":{
```

```
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
     },
     "Settings":{
      "shape":"Settings",
      "documentation":"<p>An object that details the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
     },
     "Status":{
      "shape":"String",
      "documentation":"<p>The status of an identity provider.</p>"
     }
    },
    "documentation":"<p>Describes an identity provider.</p>"
   },
   "IdentityProviderSummaryList":{
    "type":"list",
    "member":{"shape":"IdentityProviderSummary"}
   },
   "InstanceSummary":{
    "type":"structure",
    "required":[
     "InstanceId",
     "Products",
     "Status"
    ],
    "members":{
     "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
     },
     "LastStatusCheckDate":{
      "shape":"String",
      "documentation":"<p>The date of the last status check.</p>"
     },
     "Products":{
      "shape":"StringList",
      "documentation":"<p>A list of provided user-based subscription products.</p>"
     },
     "Status":{
      "shape":"String",
      "documentation":"<p>The status of an EC2 instance resource.</p>"
     },
     "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for an EC2 instance.</p>"
     }
    },
```

```
    "documentation":"<p>Describes an EC2 instance providing user-based subscriptions.</p>"
   },
  "InstanceSummaryList":{
   "type":"list",
   "member":{"shape":"InstanceSummary"}
  },
  "InstanceUserSummary":{
   "type":"structure",
   "required":[
    "IdentityProvider",
    "InstanceId",
    "Status",
    "Username"
   ],
   "members":{
    "AssociationDate":{
     "shape":"String",
     "documentation":"<p>The date a user was associated with an EC2 instance.</p>"
    },
    "DisassociationDate":{
     "shape":"String",
     "documentation":"<p>The date a user was disassociated from an EC2 instance.</p>"
    },
    "Domain":{
     "shape":"String",
     "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
     "shape":"IdentityProvider",
     "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "InstanceId":{
     "shape":"String",
     "documentation":"<p>The ID
of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "Status":{
     "shape":"String",
     "documentation":"<p>The status of a user associated with an EC2 instance.</p>"
    },
    "StatusMessage":{
     "shape":"String",
     "documentation":"<p>The status message for users of an EC2 instance.</p>"
    },
    "Username":{
     "shape":"String",
     "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
```

```
  },
  "documentation":"<p>Describes users of an EC2 instance providing user-based subscriptions.</p>"
},
"InstanceUserSummaryList":{
  "type":"list",
  "member":{"shape":"InstanceUserSummary"}
},
"InternalServerException":{
  "type":"structure",
  "members":{
    "message":{"shape":"String"}
  },
  "documentation":"<p>An exception occurred with the service.</p>",
  "exception":true,
  "fault":true
},
"ListIdentityProvidersRequest":{
   "type":"structure",
  "members":{
    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListIdentityProvidersResponse":{
  "type":"structure",
  "required":["IdentityProviderSummaries"],
  "members":{
    "IdentityProviderSummaries":{
      "shape":"IdentityProviderSummaryList",
      "documentation":"<p>Metadata that describes the list identity providers operation.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListInstancesRequest":{
  "type":"structure",
  "members":{
    "Filters":{
      "shape":"FilterList",
```

```
        "documentation":"<p>An
 array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListInstancesResponse":{
    "type":"structure",
    "members":{
      "InstanceSummaries":{
        "shape":"InstanceSummaryList",
        "documentation":"<p>Metadata that describes the list instances operation.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListProductSubscriptionsRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product"
    ],
    "members":{
       "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
```

```
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
     }
    }
   },
   "ListProductSubscriptionsResponse":{
    "type":"structure",
    "members":{
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token
for the next set of results.</p>"
     },
     "ProductUserSummaries":{
      "shape":"ProductUserSummaryList",
      "documentation":"<p>Metadata that describes the list product subscriptions operation.</p>"
     }
    }
   },
   "ListUserAssociationsRequest":{
    "type":"structure",
    "required":[
     "IdentityProvider",
     "InstanceId"
    ],
    "members":{
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>An array of structures that you can use to filter the results to those that match one or
more sets of key-value pairs that you specify.</p>"
     },
     "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
     "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
     },

     "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
```

```
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListUserAssociationsResponse":{
  "type":"structure",
  "members":{
    "InstanceUserSummaries":{
      "shape":"InstanceUserSummaryList",
      "documentation":"<p>Metadata that describes the list user association operation.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ProductUserSummary":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "Product",
    "Status",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
     },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>The status of a product for a user.</p>"
    },
    "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for a product for a user.</p>"
    },
```

```
      "SubscriptionEndDate":{
        "shape":"String",
        "documentation":"<p>The end date of a subscription.</p>"
      },
      "SubscriptionStartDate":{
        "shape":"String",
        "documentation":"<p>The start date of a subscription.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider
 of the user.</p>"
      }
    },
    "documentation":"<p>The summary of the user-based subscription products for a user.</p>"
  },
  "ProductUserSummaryList":{
    "type":"list",
    "member":{"shape":"ProductUserSummary"}
  },
  "RegisterIdentityProviderRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product"
    ],
    "members":{
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Settings":{
        "shape":"Settings",
        "documentation":"<p>The registered identity providers product related configuration settings such as the
 subnets to provision VPC endpoints.</p>"
      }
    }
  },
  "RegisterIdentityProviderResponse":{

    "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
      "IdentityProviderSummary":{
```

```
      "shape":"IdentityProviderSummary",
      "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
     }
    }
   },
   "ResourceNotFoundException":{
    "type":"structure",
    "members":{
     "message":{"shape":"String"}
    },
    "documentation":"<p>The resource couldn't be found.</p>",
    "error":{
     "httpStatusCode":404,
     "senderFault":true
    },
    "exception":true
   },
   "SecurityGroup":{
    "type":"string",
    "max":200,
    "min":5,
    "pattern":"^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
   },
   "ServiceQuotaExceededException":{
    "type":"structure",
    "members":{
     "message":{"shape":"String"}
    },
    "documentation":"<p>The request failed because a service quota is exceeded.</p>",
    "exception":true
   },
   "Settings":{
     "type":"structure",
    "required":[
     "SecurityGroupId",
     "Subnets"
    ],
    "members":{
     "SecurityGroupId":{
      "shape":"SecurityGroup",
      "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoint for activation servers.</p>"
     },
     "Subnets":{
      "shape":"SettingsSubnetsList",
      "documentation":"<p>The subnets defined for the registered identity provider.</p>"
     }
    },
```

```
    "documentation":"<p>The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group should permit inbound TCP port 1688 communication from resources in the VPC.</p>"
  },
  "SettingsSubnetsList":{
    "type":"list",
    "member":{"shape":"Subnet"},
    "min":1
  },
  "StartProductSubscriptionRequest":{
     "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "Username"
    ],
    "members":{
      "Domain":{
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider of the user.</p>"
      }
    }
  },
  "StartProductSubscriptionResponse":{
    "type":"structure",
    "required":["ProductUserSummary"],
    "members":{
      "ProductUserSummary":{
        "shape":"ProductUserSummary",
        "documentation":"<p>Metadata that describes
 the start product subscription operation.</p>"
      }
    }
  },
  "StopProductSubscriptionRequest":{
    "type":"structure",
```

```
  "required":[
    "IdentityProvider",
    "Product",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
  }
},
"StopProductSubscriptionResponse":{
  "type":"structure",
  "required":["ProductUserSummary"],
  "members":{
    "ProductUserSummary":{
      "shape":"ProductUserSummary",
      "documentation":"<p>Metadata that describes the start product subscription operation.</p>"
    }
  }
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"String"}
},
"Subnet":{
  "type":"string",
  "pattern":"subnet-[a-z0-9]{8,17}"
},
"Subnets":{
  "type":"list",
  "member":{"shape":"Subnet"}
},
"ThrottlingException":{
```

```
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request was denied because of request throttling. Retry the request.</p>",
    "exception":true
  },
  "UpdateIdentityProviderSettingsRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "UpdateSettings"
    ],
    "members":{
      "IdentityProvider":{"shape":"IdentityProvider"},
      "Product":{
        "shape":"String",

        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "UpdateSettings":{
        "shape":"UpdateSettings",
        "documentation":"<p>Updates the registered identity providers product related configuration settings. You can update any combination of settings in a single operation such as the:</p> <ul> <li> <p>Subnets which you want to add to provision VPC endpoints.</p> </li> <li> <p>Subnets which you want to remove the VPC endpoints from.</p> </li> <li> <p>Security group ID which permits traffic to the VPC endpoints.</p> </li> </ul>"
      }
    }
  },
  "UpdateIdentityProviderSettingsResponse":{
    "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
      "IdentityProviderSummary":{"shape":"IdentityProviderSummary"}
    }
  },
  "UpdateSettings":{
    "type":"structure",
    "required":[
      "AddSubnets",
      "RemoveSubnets"
    ],
    "members":{
      "AddSubnets":{
        "shape":"Subnets",
        "documentation":"<p>The ID of one or more subnets in which License Manager will create a VPC endpoint for products that require connectivity to activation servers.</p>"
```

```
      },
      "RemoveSubnets":{
        "shape":"Subnets",
        "documentation":"<p>The ID of one or more subnets to remove.</p>"
      },
      "SecurityGroupId":{
        "shape":"SecurityGroup",
        "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
      }
    },
    "documentation":"<p>Updates the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
  },
  "ValidationException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>A parameter is not valid.</p>",
    "exception":true
  }
 },
  "documentation":"<p>With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>"
}
```


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dateutil - Extensions to the standard Python datetime module.

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{
  "version": "1.0",
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    "Region": {
      "builtIn": "AWS::Region",
      "required": false,
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```
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      "required": true,
      "default": false,
      "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
      "type": "Boolean"
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      "required": true,
      "default": false,
      "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
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```

```
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endpoint are not supported",
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```

```
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```

```
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                        }
                      ]
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```

```
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fips.{Region}.{PartitionResult#dnsSuffix}",
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```

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                        ]
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```

```
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 this partition does not support DualStack",
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      "documentation": "The AWS region used to dispatch the request.",
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```

```
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```

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```
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        "type": "error"
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{

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```
{
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                            "rules": [

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```

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                "type": "error"
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  "ListLicenseConfigurations": {
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  "ListLicenseSpecificationsForResource": {
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```

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  }
 }
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  "protocol":"rest-json",
  "protocols":["rest-json"],
  "serviceFullName":"AWS License Manager Linux Subscriptions",
  "serviceId":"License Manager Linux Subscriptions",
  "signatureVersion":"v4",
  "signingName":"license-manager-linux-subscriptions",
  "uid":"license-manager-linux-subscriptions-2018-05-10",
  "auth":["aws.auth#sigv4"]
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   "input":{"shape":"DeregisterSubscriptionProviderRequest"},
   "output":{"shape":"DeregisterSubscriptionProviderResponse"},
   "errors":[
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"ThrottlingException"},
    {"shape":"ValidationException"}
   ],
   "documentation":"<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL)
subscriptions registered to your account.</p>",
   "idempotent":true
  },
```

```
  "GetRegisteredSubscriptionProvider":{
    "name":"GetRegisteredSubscriptionProvider",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/GetRegisteredSubscriptionProvider",
      "responseCode":200
    },
    "input":{"shape":"GetRegisteredSubscriptionProviderRequest"},
    "output":{"shape":"GetRegisteredSubscriptionProviderResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
    "idempotent":true
   },
  "GetServiceSettings":{
    "name":"GetServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/GetServiceSettings",
      "responseCode":200
    },
    "input":{"shape":"GetServiceSettingsRequest"},
    "output":{"shape":"GetServiceSettingsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the Linux subscriptions service settings for your account.</p>",
    "idempotent":true
  },
  "ListLinuxSubscriptionInstances":{
    "name":"ListLinuxSubscriptionInstances",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListLinuxSubscriptionInstances",
      "responseCode":200
    },
    "input":{"shape":"ListLinuxSubscriptionInstancesRequest"},
    "output":{"shape":"ListLinuxSubscriptionInstancesResponse"},
    "errors":[
      {"shape":"InternalServerException"},
```

```
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux subscriptions.</p>",
    "idempotent":true
  },
  "ListLinuxSubscriptions":{
    "name":"ListLinuxSubscriptions",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListLinuxSubscriptions",
      "responseCode":200
    },
    "input":{"shape":"ListLinuxSubscriptionsRequest"},
    "output":{"shape":"ListLinuxSubscriptionsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in Organizations.</p>",
    "idempotent":true
  },
  "ListRegisteredSubscriptionProviders":{
     "name":"ListRegisteredSubscriptionProviders",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListRegisteredSubscriptionProviders",
      "responseCode":200
    },
    "input":{"shape":"ListRegisteredSubscriptionProvidersRequest"},
    "output":{"shape":"ListRegisteredSubscriptionProvidersResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>List Bring Your Own License (BYOL) subscription registration resources for your account.</p>",
    "idempotent":true
  },
  "ListTagsForResource":{
    "name":"ListTagsForResource",
    "http":{
      "method":"GET",
      "requestUri":"/tags/{resourceArn}",
```

```
      "responseCode":200
    },
    "input":{"shape":"ListTagsForResourceRequest"},
    "output":{"shape":"ListTagsForResourceResponse"},
    "errors":[

   {"shape":"InternalServerException"},
     {"shape":"ResourceNotFoundException"},
     {"shape":"ValidationException"}
    ],
    "documentation":"<p>List the metadata tags that are assigned to the specified Amazon Web Services resource.</p>"
  },
  "RegisterSubscriptionProvider":{
    "name":"RegisterSubscriptionProvider",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/RegisterSubscriptionProvider",
      "responseCode":200
    },
    "input":{"shape":"RegisterSubscriptionProviderRequest"},
    "output":{"shape":"RegisterSubscriptionProviderResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
    "idempotent":true
  },
  "TagResource":{
    "name":"TagResource",
    "http":{
       "method":"PUT",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"TagResourceRequest"},
    "output":{"shape":"TagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
    "idempotent":true
  },
```

```
  "UntagResource":{
    "name":"UntagResource",
    "http":{
      "method":"DELETE",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"UntagResourceRequest"},
    "output":{"shape":"UntagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",
    "idempotent":true
   },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/UpdateServiceSettings",
      "responseCode":200
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Updates the service settings for Linux subscriptions.</p>",
    "idempotent":true
  }
 },
 "shapes":{
  "Boolean":{
    "type":"boolean",
    "box":true
  },
  "BoxInteger":{
    "type":"integer",
    "box":true
  },
  "BoxLong":{
    "type":"long",
    "box":true
  },
```

```
  "DeregisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
         "documentation":"<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>"
      }
    }
  },
  "DeregisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Filter":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>The type of name to filter by.</p>"
      },
      "Operator":{
        "shape":"Operator",
        "documentation":"<p>An operator for filtering results.</p>"
      },
      "Values":{
        "shape":"StringList",
        "documentation":"<p>One or more values for the name to filter by.</p>"
      }
    },
    "documentation":"<p>A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria.</p>"
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
   },
  "GetRegisteredSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>"
      }
```

```
    }
  },
  "GetRegisteredSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL registration resource specified in the request.</p>"
      },

  "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The subscription provider for the BYOL registration resource specified in the request.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>The status of the Linux subscription provider access token from the last successful subscription data request.</p>"
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":"<p>The detailed message from your subscription provider token status.</p>"
      }
    }
  },
  "GetServiceSettingsRequest":{
    "type":"structure",
    "members":{
    }
  },
  "GetServiceSettingsResponse":{
     "type":"structure",
    "members":{
      "HomeRegions":{
        "shape":"StringList",
        "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux
```

```
subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>Lists the settings defined for Linux subscriptions discovery. The settings include if
Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      },
      "Status":{
        "shape":"Status",
        "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
      },
      "StatusMessage":{
        "shape":"StringMap",
        "documentation":"<p>A
 message which details the Linux subscriptions service settings current status.</p>"
      }
    }
  },
  "Instance":{
    "type":"structure",
    "members":{
      "AccountID":{
        "shape":"String",
        "documentation":"<p>The account ID which owns the instance.</p>"
      },
      "AmiId":{
        "shape":"String",
        "documentation":"<p>The AMI ID used to launch the instance.</p>"
      },
      "DualSubscription":{
        "shape":"String",
        "documentation":"<p>Indicates that you have two different license subscriptions for the same software on your
instance.</p>"
      },
      "InstanceID":{
        "shape":"String",
        "documentation":"<p>The instance ID of the resource.</p>"
      },
      "InstanceType":{
        "shape":"String",
        "documentation":"<p>The instance type of the resource.</p>"
      },
      "LastUpdatedTime":{
        "shape":"String",
```

```
        "documentation":"<p>The
 time in which the last discovery updated the instance details.</p>"
      },
      "OsVersion":{
        "shape":"String",
        "documentation":"<p>The operating system software version that runs on your instance.</p>"
      },
      "ProductCode":{
        "shape":"ProductCodeList",
        "documentation":"<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage operation values</a> in the <i>License Manager User Guide</i> .</p>"
      },
      "Region":{
        "shape":"String",
        "documentation":"<p>The Region the instance is running in.</p>"
      },
      "RegisteredWithSubscriptionProvider":{
        "shape":"String",
        "documentation":"<p>Indicates that your instance uses a BYOL license subscription from a third-party Linux
subscription provider that you've registered with License Manager.</p>"
       },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of the instance.</p>"
      },
      "SubscriptionName":{
        "shape":"String",
        "documentation":"<p>The name of the license subscription that the instance uses.</p>"
      },
      "SubscriptionProviderCreateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp when you registered the third-party Linux subscription provider for the
subscription that the instance uses.</p>"
      },
      "SubscriptionProviderUpdateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that the instance synced with the registered third-party
Linux subscription provider.</p>"
      },
      "UsageOperation":{
        "shape":"String",
        "documentation":"<p>The usage operation of the instance. For more information, see For more information,
see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage
 operation values</a> in the <i>License Manager User Guide</i>.</p>"
      }
    },
```

```
    "documentation":"<p>Details discovered information about a running instance using Linux subscriptions.</p>"
  },
  "InstanceList":{
    "type":"list",
    "member":{"shape":"Instance"}
  },
  "InternalServerException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>An exception occurred with the service.</p>",
    "exception":true,
    "fault":true
  },
  "LinuxSubscriptionsDiscovery":{
    "type":"string",
    "enum":[
      "Enabled",
      "Disabled"
    ]
  },
  "LinuxSubscriptionsDiscoverySettings":{
    "type":"structure",
    "required":[
      "OrganizationIntegration",
      "SourceRegions"
    ],
    "members":{
      "OrganizationIntegration":{
        "shape":"OrganizationIntegration",
        "documentation":"<p>Details
if you have enabled resource discovery across your accounts in Organizations.</p>"
      },
      "SourceRegions":{
        "shape":"StringList",
        "documentation":"<p>The Regions in which to discover data for Linux subscriptions.</p>"
      }
    },
    "documentation":"<p>Lists the settings defined for discovering Linux subscriptions.</p>"
  },
  "ListLinuxSubscriptionInstancesRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results by your specified criteria. For
example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code>
```

operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-west</code>. For each filter, you can specify one of the following values for the <code>Name</code> key to streamline results:
   <code>AccountID</code>   <code>AmiID</code>   <code>DualSubscription</code>   <code>InstanceID</code>   <code>InstanceType</code>   <code>ProductCode</code>   <code>Region</code>   <code>Status</code>   <code>UsageOperation</code>   For each filter, you can use one of the following <code>Operator</code> values to define the behavior of the filter: <ul> <code>contains</code>   <code>equals</code>   <code>Notequal</code> "
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":" The maximum items to return in a request. "
      },
      "NextToken":{
        "shape":"ListLinuxSubscriptionInstancesRequestNextTokenString",
        "documentation":" A token to specify where to start paginating.
 This is the nextToken from a previously truncated response. "
      }
    },
    "documentation":" NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases. "
  },
  "ListLinuxSubscriptionInstancesRequestNextTokenString":{
    "type":"string",
    "max":16384,
    "min":1
  },
  "ListLinuxSubscriptionInstancesResponse":{
    "type":"structure",
    "members":{
      "Instances":{
        "shape":"InstanceList",
        "documentation":" An array that contains instance objects. "
      },
      "NextToken":{
        "shape":"String",
        "documentation":" The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects. "
      }
    }
  },
  "ListLinuxSubscriptionsRequest":{
    "type":"structure",
    "members":{

```
      "Filters":{
       "shape":"FilterList",
       "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. For example, you can filter by the name of <code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.</p> <p>The valid names for this filter are:</p> <ul> <li> <p> <code>Subscription</code> </p> </li> </ul> <p>The valid Operators for this filter are:</p> <ul> <li> <p> <code>contains</code> </p> </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
      },
      "MaxResults":{
       "shape":"BoxInteger",
       "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
       "shape":"ListLinuxSubscriptionsRequestNextTokenString",
       "documentation":"<p>A token to specify where
 to start paginating. This is the nextToken from a previously truncated response.</p>"
      }
     },
     "documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases.</p>"
    },
    "ListLinuxSubscriptionsRequestNextTokenString":{
     "type":"string",
     "max":16384,
     "min":1
    },
    "ListLinuxSubscriptionsResponse":{
     "type":"structure",
     "members":{
      "NextToken":{
       "shape":"String",
       "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      },
      "Subscriptions":{
       "shape":"SubscriptionList",
       "documentation":"<p>An array that contains subscription objects.</p>"
      }
     }
    },
    "ListRegisteredSubscriptionProvidersRequest":{
     "type":"structure",
     "members":{
      "MaxResults":{
       "shape":"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger",
```

```
        "documentation":"<p>The maximum items to return in a request.</p>"
       },
       "NextToken":{
        "shape":"String",
        "documentation":"<p>A token to specify where to start paginating. This is the nextToken from a previously truncated response.</p>"
       },
       "SubscriptionProviderSources":{
        "shape":"SubscriptionProviderSourceList",
        "documentation":"<p>To filter your results, specify which subscription providers to return in the list.</p>"
       }
      }
     },
     "ListRegisteredSubscriptionProvidersRequestMaxResultsInteger":{
      "type":"integer",
      "box":true,
      "max":100,
      "min":1
     },
     "ListRegisteredSubscriptionProvidersResponse":{
      "type":"structure",
      "members":{
       "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token
 used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
       },
       "RegisteredSubscriptionProviders":{
        "shape":"RegisteredSubscriptionProviderList",
        "documentation":"<p>The list of BYOL registration resources that fit the criteria you specified in the request.</p>"
       }
      }
     },
     "ListTagsForResourceRequest":{
      "type":"structure",
      "required":["resourceArn"],
      "members":{
       "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the resource for which to list metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
       }
      }
     },
```

```
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
      "tags":{
        "shape":"Tags",

   "documentation":"<p>The metadata tags for the requested resource.</p>"
      }
    }
  },
  "Operator":{
    "type":"string",
    "enum":[
      "Equal",
      "NotEqual",
      "Contains"
    ],
    "max":20,
    "min":1
  },
  "OrganizationIntegration":{
    "type":"string",
    "enum":[
      "Enabled",
      "Disabled"
    ]
  },
  "ProductCodeList":{
    "type":"list",
    "member":{"shape":"String"}
  },
  "RegisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":[
      "SecretArn",
      "SubscriptionProviderSource"
    ],
    "members":{
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The supported Linux subscription provider to register.</p>"
      },
```

```
      "Tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to your registered Linux subscription provider resource.</p>"
      }
    }
  },
  "RegisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "SubscriptionProviderArn":{
        "shape":"String",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The Linux subscription provider that you registered.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>Indicates the status of the registration action for
 the Linux subscription provider that you requested.</p>"
      }
    }
  },
  "RegisteredSubscriptionProvider":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that License Manager accessed third-party subscription data for your account from your registered Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token.</p>"
      },
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.</p>"
      },
      "SubscriptionProviderSource":{

    "shape":"SubscriptionProviderSource",
        "documentation":"<p>A supported third-party Linux subscription provider. License Manager currently
```

supports Red Hat subscriptions. "
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":" Indicates the status of your registered Linux subscription provider access token from the last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the offline token. "
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":" A detailed message that's associated with your BYOL subscription provider token status. "
      }
    },
    "documentation":" A third-party provider for operating system (OS) platform software and license subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can get subscription
 data from the registered provider. "
  },
  "RegisteredSubscriptionProviderList":{
    "type":"list",
    "member":{"shape":"RegisteredSubscriptionProvider"}
  },
  "ResourceNotFoundException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":" Unable to find the requested Amazon Web Services resource. ",
    "exception":true
  },
  "SecretArn":{
    "type":"string",
    "pattern":"^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
  },
  "Status":{
    "type":"string",
    "enum":[
      "InProgress",
      "Completed",
      "Successful",
      "Failed"
    ]
  },
  "String":{"type":"string"},
  "StringList":{
    "type":"list",
    "member":{"shape":"StringListMemberString"},

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    "max":100,
    "min":1
  },
  "StringListMemberString":{
    "type":"string",
    "max":100,
    "min":1
  },
  "StringMap":{
     "type":"map",
    "key":{"shape":"String"},
    "value":{"shape":"String"}
  },
  "Subscription":{
    "type":"structure",
    "members":{
      "InstanceCount":{
        "shape":"BoxLong",
        "documentation":"<p>The total amount of running instances using this subscription.</p>"
      },
      "Name":{
        "shape":"String",
        "documentation":"<p>The name of the subscription.</p>"
      },
      "Type":{
        "shape":"String",
        "documentation":"<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
      }
    },
    "documentation":"<p>An object which details a discovered Linux subscription.</p>"
  },
  "SubscriptionList":{
    "type":"list",
    "member":{"shape":"Subscription"}
   },
  "SubscriptionProviderArn":{
    "type":"string",
    "pattern":"^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
  },
  "SubscriptionProviderSource":{
    "type":"string",
    "enum":["RedHat"]
  },
  "SubscriptionProviderSourceList":{
```

```
    "type":"list",
    "member":{"shape":"SubscriptionProviderSource"}
  },
  "SubscriptionProviderStatus":{
    "type":"string",
    "enum":[
      "ACTIVE",
      "INVALID",
      "PENDING"
    ]
  },
  "TagKeyList":{
    "type":"list",
    "member":{"shape":"String"},
    "max":50,
    "min":0,
    "sensitive":true
  },
  "TagResourceRequest":{
    "type":"structure",
    "required":[
      "resourceArn",
      "tags"
    ],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon
 Web Services resource to which to add the specified metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      },
      "tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to the Amazon Web Services resource. Tags are formatted
as key value pairs.</p>"
      }
    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Tags":{
    "type":"map",
    "key":{"shape":"String"},
    "value":{"shape":"String"},
```

```
    "max":50,
    "min":0,
    "sensitive":true
  },
  "ThrottlingException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request was denied due to request throttling.</p>",
    "exception":true
  },
  "UntagResourceRequest":{
    "type":"structure",
    "required":[
      "resourceArn",
      "tagKeys"
    ],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from.</p>",
        "location":"uri",
        "locationName":"resourceArn"
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      "tagKeys":{
        "shape":"TagKeyList",
        "documentation":"<p>A list of metadata tag keys to remove from the requested resource.</p>",
        "location":"querystring",
        "locationName":"tagKeys"
      }
    }
  },
  "UntagResourceResponse":{
    "type":"structure",
    "members":{
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  },
  "UpdateServiceSettingsRequest":{
    "type":"structure",
    "required":[
      "LinuxSubscriptionsDiscovery",
      "LinuxSubscriptionsDiscoverySettings"
    ],
    "members":{
      "AllowUpdate":{
        "shape":"Boolean",
```

```
      "documentation":"<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate
 Linux subscription data in more than one home Region.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Describes if the discovery of Linux subscriptions is enabled.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      }
    }
  },
  "UpdateServiceSettingsResponse":{
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    "members":{
      "HomeRegions":{
        "shape":"StringList",
        "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Lists
 if discovery has been enabled for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      },
      "Status":{
        "shape":"Status",
        "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
      },
      "StatusMessage":{
        "shape":"StringMap",
        "documentation":"<p>A message which details the Linux subscriptions service settings current status.</p>"
      }
    }
  },
  "ValidationException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
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"documentation":" The provided input is not valid. Try your request again. ",
"exception":true
}

},
"documentation":" With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances. "
}
{
"version": "1.0",
"examples": {
}
}
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{
  "version": "1.0",
  "parameters": {
    "Region": {
      "builtIn": "AWS::Region",
      "required": false,
      "documentation": "The AWS region used to dispatch the request.",
      "type": "String"
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      "builtIn": "AWS::UseDualStack",
      "required": true,
      "default": false,
      "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
      "type": "Boolean"
    },
    "UseFIPS": {
      "builtIn": "AWS::UseFIPS",
      "required": true,
      "default": false,
      "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
      "type": "Boolean"
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    "Endpoint": {

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  "rules": [
```

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      "fn": "isSet",
      "argv": [
        {
          "ref": "Endpoint"
        }
      ]
    }
  ],
  "type": "tree",
  "rules": [
    {
      "conditions": [
        {
          "fn": "booleanEquals",
          "argv": [
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              "ref": "UseFIPS"
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            true
          ]
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      ],
      "error": "Invalid Configuration: FIPS and custom
endpoint are not supported",
      "type": "error"
    },
    {
      "conditions": [
        {
          "fn": "booleanEquals",
          "argv": [
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              "ref": "UseDualStack"
            },
            true
          ]
        }
      ],
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      "type": "error"
    },
    {
      "conditions": [],
      "endpoint": {
        "url": {
```

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                "ref": "Endpoint"
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              "properties": {},
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        ]
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            "fn": "isSet",
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                "ref": "Region"
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            ]
          }
        ],
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        "rules": [
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                ],
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"booleanEquals",
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                      },
                      true
                    ]
```

```
        },
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            },
            true
          ]
        }
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        {
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            {

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                {
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                    },
                    "supportsFIPS"
                  ]
                }
              ]
            },
            {
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                {
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                    {
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```

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  "url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                      "properties": {},
                      "headers": {}
                    },
                    "type": "endpoint"
                  }
                ]
              },
              {
                "conditions": [],
                "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
                "type": "error"
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          {
            "conditions": [
              {
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"argv": [
                  {
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            "type": "tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
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                        "argv": [
                          {
```

```
"ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
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                        "conditions": [],
                        "endpoint": {
                            "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                            "properties": {},
                            "headers": {}
                        },
                        "type": "endpoint"
                    }
                ]
            },
            {
                "conditions": [],
                "error": "FIPS is enabled but this partition does not support FIPS",
                "type": "error"
            }
        ]
    },
    {
        "conditions": [
            {
                "fn": "booleanEquals",
                "argv": [
                    {
                        "ref": "UseDualStack"
                    },
                    true
                ]
            }
        ],
        "type":
"tree",
        "rules": [
            {
                "conditions": [
                    {
                        "fn": "booleanEquals",
                        "argv": [
```

```
                                true,
                                {
                                    "fn": "getAttr",
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                                        {
                                            "ref": "PartitionResult"
                                        },
                                        "supportsDualStack"
                                    ]
                                }
                            ]

}
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                        "rules": [
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                                "conditions": [],
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                        ]
                    },
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                  "type": "error"
                    }
                ]
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            {
                "conditions": [],
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                    "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                    "properties": {},
                    "headers": {}
                },
                "type": "endpoint"
            }
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    }
  ]
},
```

```
    {
      "conditions": [],
      "error": "Invalid Configuration: Missing Region",
      "type": "error"
    }
  ]
}
```


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

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

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

All
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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   "result_key": "Instances"
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   "limit_key": "MaxResults",
   "result_key": "RegisteredSubscriptionProviders"
  }
 }
}
```


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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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  },
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```

```
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 }
}
```

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pycparser -- A C parser in Python

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{
 "version":"2.0",
 "metadata":{
   "apiVersion":"2018-08-01",
   "endpointPrefix":"license-manager",
   "jsonVersion":"1.1",
   "protocol":"json",
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      "method":"POST",
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    "input":{"shape":"AcceptGrantRequest"},
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    "errors":[
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    "documentation":"<p>Accepts the specified grant.</p>"
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    },
    "input":{"shape":"CheckInLicenseRequest"},
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    "errors":[
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    ],
    "documentation":"<p>Checks in the specified license. Check in a license when it is no longer in use.</p>"
  },
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    "http":{
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    "documentation":"<p>Checks out the specified license.</p> <note> <p>If the account that created the license is the same that is performing the check out, you must specify the account as the beneficiary.</p> </note>"
  },
  "CreateGrant":{
    "name":"CreateGrant",
    "http":{
      "method":"POST",
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    "input":{"shape":"CreateGrantRequest"},
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],
"documentation":" Creates a grant for the specified license. A grant shares the use of license entitlements with a specific Amazon Web Services account, an organization, or an organizational unit (OU). For more information, see Granted licenses in License Manager in the License Manager User Guide. "
},
"CreateGrantVersion":{
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"http":{
"method":"POST",
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"errors":[
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{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
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{"shape":"RateLimitExceededException"}
],
"documentation":" Creates a new version of the specified grant. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
},
"CreateLicense":{
"name":"CreateLicense",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"CreateLicenseRequest"},
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{"shape":"AuthorizationException"},
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      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
     ],
    "documentation":"<p>Creates a license.</p>"
   },
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    "http":{
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    },
    "input":{"shape":"CreateLicenseConfigurationRequest"},
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     {"shape":"ResourceLimitExceededException"},
     {"shape":"AuthorizationException"},
     {"shape":"AccessDeniedException"},
     {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Creates a license configuration.</p> <p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, Dedicated Instance,
 Dedicated Host, or all of these), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used.</p>"
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    "name":"CreateLicenseConversionTaskForResource",
    "http":{
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     "requestUri":"/"
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    "output":{"shape":"CreateLicenseConversionTaskForResourceResponse"},
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     {"shape":"AccessDeniedException"},
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    ],
    "documentation":"<p>Creates a new license conversion task.</p>"
   },
   "CreateLicenseManagerReportGenerator":{
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 "http":{
  "method":"POST",
   "requestUri":"/"
 },
 "input":{"shape":"CreateLicenseManagerReportGeneratorRequest"},
 "output":{"shape":"CreateLicenseManagerReportGeneratorResponse"},
 "errors":[
  {"shape":"ValidationException"},
  {"shape":"InvalidParameterValueException"},
  {"shape":"ResourceLimitExceededException"},
  {"shape":"ServerInternalException"},
  {"shape":"AuthorizationException"},
  {"shape":"RateLimitExceededException"},
  {"shape":"AccessDeniedException"},
  {"shape":"ResourceNotFoundException"}
 ],
 "documentation":"<p>Creates a report generator.</p>"
},
"CreateLicenseVersion":{
 "name":"CreateLicenseVersion",
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"CreateLicenseVersionRequest"},
 "output":{"shape":"CreateLicenseVersionResponse"},
 "errors":[
  {"shape":"ValidationException"},
  {"shape":"AccessDeniedException"},
   {"shape":"ResourceNotFoundException"},
  {"shape":"RedirectException"},
  {"shape":"ConflictException"},
  {"shape":"ServerInternalException"},
  {"shape":"AuthorizationException"},
  {"shape":"RateLimitExceededException"}
 ],
 "documentation":"<p>Creates a new version of the specified license.</p>"
},
"CreateToken":{
 "name":"CreateToken",
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"CreateTokenRequest"},
 "output":{"shape":"CreateTokenResponse"},
 "errors":[
  {"shape":"ValidationException"},
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{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"ResourceNotFoundException"},
{"shape":"RedirectException"}
],
"documentation":" Creates a long-lived
token. A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license. "
},
"DeleteGrant":{
"name":"DeleteGrant",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"DeleteGrantRequest"},
"output":{"shape":"DeleteGrantResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"}
],
"documentation":" Deletes the specified grant. "
},
"DeleteLicense":{
"name":"DeleteLicense",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"DeleteLicenseRequest"},
"output":{"shape":"DeleteLicenseResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"RedirectException"},
{"shape":"ConflictException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},

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      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Deletes the specified license.</p>"
  },
  "DeleteLicenseConfiguration":{
    "name":"DeleteLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseConfigurationRequest"},
    "output":{"shape":"DeleteLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
       {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Deletes the specified license configuration.</p> <p>You cannot delete a license configuration that is in use.</p>"
  },
  "DeleteLicenseManagerReportGenerator":{
    "name":"DeleteLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseManagerReportGeneratorRequest"},
    "output":{"shape":"DeleteLicenseManagerReportGeneratorResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Deletes the specified report generator.</p> <p>This action deletes the report generator, which stops it from generating future reports. The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
  },
  "DeleteToken":{
    "name":"DeleteToken",
    "http":{
      "method":"POST",
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```
    "requestUri":"/"
   },
   "input":{"shape":"DeleteTokenRequest"},
   "output":{"shape":"DeleteTokenResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"RedirectException"}
   ],
   "documentation":"<p>Deletes the specified token. Must be called in the license home Region.</p>"
  },
  "ExtendLicenseConsumption":{
   "name":"ExtendLicenseConsumption",
   "http":{
    "method":"POST",
    "requestUri":"/"
    },
   "input":{"shape":"ExtendLicenseConsumptionRequest"},
   "output":{"shape":"ExtendLicenseConsumptionResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"ResourceNotFoundException"}
   ],
   "documentation":"<p>Extends the expiration date for license consumption.</p>"
  },
  "GetAccessToken":{
   "name":"GetAccessToken",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"GetAccessTokenRequest"},
   "output":{"shape":"GetAccessTokenResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
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```
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens are valid for one hour.</p>"
  },
  "GetGrant":{
    "name":"GetGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetGrantRequest"},
    "output":{"shape":"GetGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed information about the specified grant.</p>"
  },
  "GetLicense":{
    "name":"GetLicense",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseRequest"},
     "output":{"shape":"GetLicenseResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets detailed information about the specified license.</p>"
  },
  "GetLicenseConfiguration":{
    "name":"GetLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
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```
    "input":{"shape":"GetLicenseConfigurationRequest"},
    "output":{"shape":"GetLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed
information about the specified license configuration.</p>"
  },
  "GetLicenseConversionTask":{
    "name":"GetLicenseConversionTask",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseConversionTaskRequest"},
    "output":{"shape":"GetLicenseConversionTaskResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets information about the specified license type conversion task.</p>"
  },
  "GetLicenseManagerReportGenerator":{
    "name":"GetLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseManagerReportGeneratorRequest"},
    "output":{"shape":"GetLicenseManagerReportGeneratorResponse"},
     "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Gets information about the specified report generator.</p>"
```

```
},
"GetLicenseUsage":{
  "name":"GetLicenseUsage",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetLicenseUsageRequest"},
  "output":{"shape":"GetLicenseUsageResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
   ],
  "documentation":"<p>Gets detailed information about the usage of the specified license.</p>"
},
"GetServiceSettings":{
  "name":"GetServiceSettings",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetServiceSettingsRequest"},
  "output":{"shape":"GetServiceSettingsResponse"},
  "errors":[
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Gets the License Manager settings for the current Region.</p>"
},
"ListAssociationsForLicenseConfiguration":{
  "name":"ListAssociationsForLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListAssociationsForLicenseConfigurationRequest"},
  "output":{"shape":"ListAssociationsForLicenseConfigurationResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
```

```
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the resource associations for the specified license configuration.</p> <p>Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules).</p>"
  },
  "ListDistributedGrants":{
    "name":"ListDistributedGrants",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListDistributedGrantsRequest"},
    "output":{"shape":"ListDistributedGrantsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
       {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the grants distributed for the specified license.</p>"
  },
  "ListFailuresForLicenseConfigurationOperations":{
    "name":"ListFailuresForLicenseConfigurationOperations",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListFailuresForLicenseConfigurationOperationsRequest"},
    "output":{"shape":"ListFailuresForLicenseConfigurationOperationsResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the license configuration operations that failed.</p>"
  },
  "ListLicenseConfigurations":{
    "name":"ListLicenseConfigurations",
    "http":{
      "method":"POST",
      "requestUri":"/"
```

```
  },
  "input":{"shape":"ListLicenseConfigurationsRequest"},
  "output":{"shape":"ListLicenseConfigurationsResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the license configurations for your account.</p>"
},
"ListLicenseConversionTasks":{
  "name":"ListLicenseConversionTasks",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseConversionTasksRequest"},
  "output":{"shape":"ListLicenseConversionTasksResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the license type conversion tasks for your account.</p>"
},
"ListLicenseManagerReportGenerators":{
  "name":"ListLicenseManagerReportGenerators",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
  "output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"AccessDeniedException"},
    {"shape":"ResourceNotFoundException"}
```

```
    ],
    "documentation":"<p>Lists the report generators for your account.</p>"
  },
  "ListLicenseSpecificationsForResource":{
    "name":"ListLicenseSpecificationsForResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
    "output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Describes the license configurations for the specified resource.</p>"
  },
  "ListLicenseVersions":{
    "name":"ListLicenseVersions",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicenseVersionsRequest"},
    "output":{"shape":"ListLicenseVersionsResponse"},
     "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Lists all versions of the specified license.</p>"
  },
  "ListLicenses":{
    "name":"ListLicenses",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicensesRequest"},
    "output":{"shape":"ListLicensesResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
```

{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
],
"documentation":" Lists the licenses for your account. "
},
"ListReceivedGrants":{
"name":"ListReceivedGrants",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListReceivedGrantsRequest"},
"output":{"shape":"ListReceivedGrantsResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],
"documentation":" Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs. "
},
"ListReceivedGrantsForOrganization":{
"name":"ListReceivedGrantsForOrganization",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
"output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],
"documentation":" Lists the grants received for all accounts in the organization. "
},
"ListReceivedLicenses":{

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  "name":"ListReceivedLicenses",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesRequest"},
  "output":{"shape":"ListReceivedLicensesResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
     {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists received licenses.</p>"
},
"ListReceivedLicensesForOrganization":{
  "name":"ListReceivedLicensesForOrganization",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesForOrganizationRequest"},
  "output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the licenses received for all accounts in the organization.</p>"
},
"ListResourceInventory":{
   "name":"ListResourceInventory",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListResourceInventoryRequest"},
  "output":{"shape":"ListResourceInventoryResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
```

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    {"shape":"FilterLimitExceededException"},
    {"shape":"FailedDependencyException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists resources managed using Systems Manager inventory.</p>"
  },
  "ListTagsForResource":{
   "name":"ListTagsForResource",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListTagsForResourceRequest"},
   "output":{"shape":"ListTagsForResourceResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists the tags for the specified license configuration.</p>"
  },
  "ListTokens":{
   "name":"ListTokens",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListTokensRequest"},
   "output":{"shape":"ListTokensResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
   ],
   "documentation":"<p>Lists your tokens.</p>"
  },
  "ListUsageForLicenseConfiguration":{
   "name":"ListUsageForLicenseConfiguration",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
```

```
    "input":{"shape":"ListUsageForLicenseConfigurationRequest"},
     "output":{"shape":"ListUsageForLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"FilterLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration.</p>"
  },
  "RejectGrant":{
    "name":"RejectGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"RejectGrantRequest"},
    "output":{"shape":"RejectGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
       {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Rejects the specified grant.</p>"
  },
  "TagResource":{
    "name":"TagResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"TagResourceRequest"},
    "output":{"shape":"TagResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
```

```
  "documentation":"<p>Adds the specified tags to the specified license configuration.</p>"
},
"UntagResource":{
  "name":"UntagResource",
  "http":{
    "method":"POST",
     "requestUri":"/"
  },
  "input":{"shape":"UntagResourceRequest"},
  "output":{"shape":"UntagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Removes the specified tags from the specified license configuration.</p>"
},
"UpdateLicenseConfiguration":{
  "name":"UpdateLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseConfigurationRequest"},
  "output":{"shape":"UpdateLicenseConfigurationResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
     {"shape":"ResourceLimitExceededException"}
  ],
  "documentation":"<p>Modifies the attributes of an existing license configuration.</p>"
},
"UpdateLicenseManagerReportGenerator":{
  "name":"UpdateLicenseManagerReportGenerator",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseManagerReportGeneratorRequest"},
  "output":{"shape":"UpdateLicenseManagerReportGeneratorResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
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      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ResourceLimitExceededException"}
    ],
    "documentation":"<p>Updates a report generator.</p> <p>After you make changes to a report generator, it
 starts generating new reports within 60 minutes of being updated.</p>"
  },
  "UpdateLicenseSpecificationsForResource":{
    "name":"UpdateLicenseSpecificationsForResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
    "output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"InvalidResourceStateException"},
      {"shape":"LicenseUsageException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Adds or removes the specified license configurations for the specified Amazon Web
Services resource.</p> <p>You can update the license specifications of AMIs, instances, and hosts. You cannot
update the license specifications
 for launch templates and CloudFormation templates, as they send license configurations to the operation that creates
the resource.</p>"
  },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
```

```
    "documentation":"<p>Updates License Manager settings for the current Region.</p>"
   }
  },
  "shapes":{
   "AcceptGrantRequest":{
    "type":"structure",
    "required":["GrantArn"],
    "members":{
     "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
     }
    }
   },
   "AcceptGrantResponse":{
    "type":"structure",
    "members":{
     "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Grant ARN.</p>"
     },
     "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
     },
     "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
     }
    }
   },
   "AccessDeniedException":{
    "type":"structure",
    "members":{
     "Message":{"shape":"Message"}
    },
    "documentation":"<p>Access to resource denied.</p>",
    "exception":true
   },
   "ActivationOverrideBehavior":{
    "type":"string",
    "enum":[
     "DISTRIBUTED_GRANTS_ONLY",
     "ALL_GRANTS_PERMITTED_BY_ISSUER"
    ]
   },
   "AllowedOperation":{
    "type":"string",
```

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    "enum":[
      "CreateGrant",
      "CheckoutLicense",
      "CheckoutBorrowLicense",
      "CheckInLicense",
      "ExtendConsumptionLicense",
       "ListPurchasedLicenses",
      "CreateToken"
    ]
  },
  "AllowedOperationList":{
    "type":"list",
    "member":{"shape":"AllowedOperation"},
    "max":7,
    "min":1
  },
  "Arn":{
    "type":"string",
    "max":2048,
    "pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
  },
  "ArnList":{
    "type":"list",
    "member":{"shape":"Arn"}
  },
  "AuthorizationException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM policy associated with this account.</p>",
    "exception":true
  },
  "AutomatedDiscoveryInformation":{
    "type":"structure",
    "members":{
      "LastRunTime":{
        "shape":"DateTime",
        "documentation":"<p>Time
 that automated discovery last ran.</p>"
      }
    },
    "documentation":"<p>Describes automated discovery.</p>"
  },
  "Boolean":{"type":"boolean"},
  "BorrowConfiguration":{
```

```
  "type":"structure",
  "required":[
    "AllowEarlyCheckIn",
    "MaxTimeToLiveInMinutes"
  ],
  "members":{
    "AllowEarlyCheckIn":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether early check-ins are allowed.</p>"
    },
    "MaxTimeToLiveInMinutes":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum time for the borrow configuration, in minutes.</p>"
    }
  },
  "documentation":"<p>Details about a borrow configuration.</p>"
},
"BoxBoolean":{"type":"boolean"},
"BoxInteger":{"type":"integer"},
"BoxLong":{"type":"long"},
"CheckInLicenseRequest":{
  "type":"structure",
  "required":["LicenseConsumptionToken"],
  "members":{
    "LicenseConsumptionToken":{
      "shape":"String",
      "documentation":"<p>License consumption token.</p>"
    },
    "Beneficiary":{
      "shape":"String",
      "documentation":"<p>License beneficiary.</p>"
    }
  }
},
"CheckInLicenseResponse":{
  "type":"structure",
  "members":{
  }
},
"CheckoutBorrowLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "Entitlements",
    "DigitalSignatureMethod",
    "ClientToken"
  ],
  "members":{
```

```
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementDataList",
        "documentation":"<p>License entitlements. Partial checkouts are not supported.</p>"
      },
      "DigitalSignatureMethod":{
        "shape":"DigitalSignatureMethod",

     "documentation":"<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see <a href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>"
      },
      "NodeId":{
        "shape":"String",
        "documentation":"<p>Node ID.</p>"
      },
      "CheckoutMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about constraints.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
  },
  "CheckoutBorrowLicenseResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseConsumptionToken":{
        "shape":"String",
         "documentation":"<p>License consumption token.</p>"
      },
      "EntitlementsAllowed":{
        "shape":"EntitlementDataList",
        "documentation":"<p>Allowed license entitlements.</p>"
      },
      "NodeId":{
        "shape":"String",
```

```
      "documentation":"<p>Node ID.</p>"
    },
    "SignedToken":{
      "shape":"SignedToken",
      "documentation":"<p>Signed token.</p>"
    },
    "IssuedAt":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout is issued.</p>"
    },
    "Expiration":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout expires.</p>"
    },
    "CheckoutMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>Information about constraints.</p>"
    }
  }
},
"CheckoutLicenseRequest":{
  "type":"structure",
  "required":[
    "ProductSKU",
     "CheckoutType",
    "KeyFingerprint",
    "Entitlements",
    "ClientToken"
  ],
  "members":{
    "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
    },
    "CheckoutType":{
      "shape":"CheckoutType",
      "documentation":"<p>Checkout type.</p>"
    },
    "KeyFingerprint":{
      "shape":"String",
      "documentation":"<p>Key fingerprint identifying the license.</p>"
    },
    "Entitlements":{
      "shape":"EntitlementDataList",
      "documentation":"<p>License entitlements.</p>"
    },
    "ClientToken":{
      "shape":"ClientToken",
```

```
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "NodeId":{
        "shape":"String",
         "documentation":"<p>Node ID.</p>"
      }
    }
  },
  "CheckoutLicenseResponse":{
    "type":"structure",
    "members":{
      "CheckoutType":{
        "shape":"CheckoutType",
        "documentation":"<p>Checkout type.</p>"
      },
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "EntitlementsAllowed":{
        "shape":"EntitlementDataList",
        "documentation":"<p>Allowed license entitlements.</p>"
      },
      "SignedToken":{
        "shape":"SignedToken",
        "documentation":"<p>Signed token.</p>"
      },
      "NodeId":{
        "shape":"String",
        "documentation":"<p>Node ID.</p>"
      },
      "IssuedAt":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Date and time at which the license checkout is issued.</p>"
      },
      "Expiration":{
        "shape":"ISO8601DateTime",

 "documentation":"<p>Date and time at which the license checkout expires.</p>"
      },
      "LicenseArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the checkout license.</p>"
```

```
    }
   }
  },
  "CheckoutType":{
   "type":"string",
   "enum":[
    "PROVISIONAL",
    "PERPETUAL"
   ]
  },
  "ClientRequestToken":{
   "type":"string",
   "max":36,
   "min":1
  },
  "ClientToken":{
   "type":"string",
   "max":2048,
   "pattern":"\\S+"
  },
  "ConflictException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"}
   },
   "documentation":"<p>There was a conflict processing the request. Try your request again.</p>",
   "exception":true
  },
  "ConsumedLicenseSummary":{
   "type":"structure",
   "members":{
    "ResourceType":{
     "shape":"ResourceType",
     "documentation":"<p>Resource type of the resource consuming a
license.</p>"
    },
    "ConsumedLicenses":{
     "shape":"BoxLong",
     "documentation":"<p>Number of licenses consumed by the resource.</p>"
    }
   },
   "documentation":"<p>Details about license consumption.</p>"
  },
  "ConsumedLicenseSummaryList":{
   "type":"list",
   "member":{"shape":"ConsumedLicenseSummary"}
  },
  "ConsumptionConfiguration":{
```

```
    "type":"structure",
    "members":{
      "RenewType":{
        "shape":"RenewType",
        "documentation":"<p>Renewal frequency.</p>"
      },
      "ProvisionalConfiguration":{
        "shape":"ProvisionalConfiguration",
        "documentation":"<p>Details about a provisional configuration.</p>"
      },
      "BorrowConfiguration":{
        "shape":"BorrowConfiguration",
        "documentation":"<p>Details about a borrow configuration.</p>"
      }
    },
    "documentation":"<p>Details about a consumption configuration.</p>"
  },
  "CreateGrantRequest":{
     "type":"structure",
    "required":[
      "ClientToken",
      "GrantName",
      "LicenseArn",
      "Principals",
      "HomeRegion",
      "AllowedOperations"
    ],
    "members":{
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
      },
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "Principals":{
        "shape":"PrincipalArnList",
        "documentation":"<p>The grant principals. You can specify one of the following as an Amazon Resource
Name (ARN):</p> <ul> <li> <p>An Amazon Web Services account, which includes only the account
specified.</p> </li> </ul> <ul> <li> <p>An organizational unit (OU), which
 includes all accounts in the OU.</p> </li> </ul> <ul> <li> <p>An organization, which will include all accounts
across your organization.</p> </li> </ul>"
```

```
      },
      "HomeRegion":{
        "shape":"String",
        "documentation":"<p>Home Region of the grant.</p>"
      },
      "AllowedOperations":{
        "shape":"AllowedOperationList",
        "documentation":"<p>Allowed operations for the grant.</p>"
      }
    }
  },
  "CreateGrantResponse":{
    "type":"structure",
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Grant ARN.</p>"
      },
      "Status":{
        "shape":"GrantStatus",
        "documentation":"<p>Grant status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Grant version.</p>"
      }
    }
  },
  "CreateGrantVersionRequest":{
    "type":"structure",
    "required":[
      "ClientToken",
      "GrantArn"
    ],

 "members":{
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
```

```
    },
    "AllowedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Allowed operations for the grant.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>Grant status reason.</p>"
    },
    "SourceVersion":{
      "shape":"String",
      "documentation":"<p>Current version of the grant.</p>"
    },
    "Options":{

    "shape":"Options",
      "documentation":"<p>The options specified for the grant.</p>"
    }
  }
},
"CreateGrantVersionResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>New version of the grant.</p>"
    }
  }
},
"CreateLicenseConfigurationRequest":{
  "type":"structure",
  "required":[
    "Name",
    "LicenseCountingType"
  ],
  "members":{
```

```
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
   "shape":"LicenseCountingType",
  "documentation":"<p>Dimension used to track the license inventory.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances.</p>"
},
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules vary by dimension, as follows.</p> <ul> <li> <p> <code>Cores</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumCores</code> | <code>minimumCores</code> </p> </li> <li> <p> <code>Instances</code> dimension: <code>allowedTenancy</code>
 | <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> | <code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p> </li> <li> <p> <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumSockets</code> | <code>minimumSockets</code> </p> </li> <li> <p> <code>vCPUs</code> dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p> </li> </ul> <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are <code>True</code> and <code>False</code>.</p>"
},
"Tags":{
  "shape":"TagList",
  "documentation":"<p>Tags to add to the
 license configuration.</p>"
},
"DisassociateWhenNotFound":{
  "shape":"BoxBoolean",
  "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},
```

```
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      }
    }
  },
  "CreateLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    }
  },
  "CreateLicenseConversionTaskForResourceRequest":{
    "type":"structure",
    "required":[
      "ResourceArn",
      "SourceLicenseContext",
      "DestinationLicenseContext"
    ],
    "members":{
      "ResourceArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource you are converting
 the license type for.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information that identifies the license type you are converting from. For the structure of
the source license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI </a> in the <i>License Manager User
Guide</i>.</p>"
      },
      "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information that identifies the license type you are converting to. For the structure of the
destination license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI </a> in the <i>License Manager User
Guide</i>.</p>"
      }
    }
  },
  "CreateLicenseConversionTaskForResourceResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
```

```
      "shape":"LicenseConversionTaskId",
      "documentation":"<p>The ID of the created license type conversion task.</p>"
     }
    }
   },
   "CreateLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":[
     "ReportGeneratorName",
     "Type",
     "ReportContext",
     "ReportFrequency",
     "ClientToken"
    ],
    "members":{
     "ReportGeneratorName":{
      "shape":"ReportGeneratorName",
      "documentation":"<p>Name of the report generator.</p>"
     },
     "Type":{
      "shape":"ReportTypeList",
      "documentation":"<p>Type of reports to generate. The following report types an be generated:</p> <ul> <li>
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p> </li> <li> <p>Resource report - Reports the tracked licenses and resource consumption
 for a license configuration.</p> </li> </ul>"
     },
     "ReportContext":{
      "shape":"ReportContext",
      "documentation":"<p>Defines the type of license configuration the report generator tracks.</p>"
     },
     "ReportFrequency":{
      "shape":"ReportFrequency",
      "documentation":"<p>Frequency by which reports are generated. Reports can be generated daily, monthly, or
weekly.</p>"
     },
     "ClientToken":{
      "shape":"ClientRequestToken",
      "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
     },
     "Description":{
      "shape":"String",
      "documentation":"<p>Description of the report generator.</p>"
     },
     "Tags":{
      "shape":"TagList",
      "documentation":"<p>Tags to add to the report generator.</p>"
     }
```

```
  }
},
"CreateLicenseManagerReportGeneratorResponse":{
  "type":"structure",
   "members":{
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>The Amazon Resource Name (ARN) of the new report generator.</p>"
    }
  }
},
"CreateLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseName",
    "ProductName",
    "ProductSKU",
    "Issuer",
    "HomeRegion",
    "Validity",
    "Entitlements",
    "Beneficiary",
    "ConsumptionConfiguration",
    "ClientToken"
  ],
  "members":{
    "LicenseName":{
      "shape":"String",
      "documentation":"<p>License name.</p>"
    },
    "ProductName":{
      "shape":"String",
      "documentation":"<p>Product name.</p>"
    },
    "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
    },
    "Issuer":{
      "shape":"Issuer",
      "documentation":"<p>License issuer.</p>"
    },

"HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region for the license.</p>"
    },
    "Validity":{
```

```
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License entitlements.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
       },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
  },
  "CreateLicenseResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>License version.</p>"
      }
    }
  },
  "CreateLicenseVersionRequest":{
    "type":"structure",
    "required":[
```

```
      "LicenseArn",
      "LicenseName",
      "ProductName",
      "Issuer",
      "HomeRegion",
      "Validity",
      "Entitlements",
      "ConsumptionConfiguration",
      "Status",
      "ClientToken"
    ],

  "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "Issuer":{
        "shape":"Issuer",
        "documentation":"<p>License issuer.</p>"
      },
      "HomeRegion":{
        "shape":"String",
        "documentation":"<p>Home Region of the license.</p>"
      },
      "Validity":{
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License
  entitlements.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
```

```
        "documentation":"<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "SourceVersion":{
        "shape":"String",
        "documentation":"<p>Current version of the license.</p>"
      }
    }
  },
  "CreateLicenseVersionResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>License
 ARN.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>New version of the license.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      }
    }
  },
  "CreateTokenRequest":{
    "type":"structure",
    "required":[
      "LicenseArn",
      "ClientToken"
    ],
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token.</p>"
```

```
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use.</p>"
      },
      "ExpirationInDays":{
        "shape":"Integer",
        "documentation":"<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Idempotency token, valid for 10 minutes.</p>"
      }
    }
  },
  "CreateTokenResponse":{
    "type":"structure",
    "members":{
      "TokenId":{
        "shape":"String",
        "documentation":"<p>Token ID.</p>"
      },
      "TokenType":{
        "shape":"TokenType",
        "documentation":"<p>Token type.</p>"
      },
      "Token":{
        "shape":"TokenString",
        "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
      }
    }
  },
  "DateTime":{"type":"timestamp"},
  "DatetimeRange":{
    "type":"structure",
    "required":["Begin"],
    "members":{
      "Begin":{

      "shape":"ISO8601DateTime",
        "documentation":"<p>Start of the time range.</p>"
```

```
    },
    "End":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>End of the time range.</p>"
    }
  },
  "documentation":"<p>Describes a time range, in ISO8601-UTC format.</p>"
},
"DeleteGrantRequest":{
  "type":"structure",
  "required":[
    "GrantArn",
    "Version"
  ],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>The Status reason for the delete request.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Current version of the grant.</p>"
    }
  }
},
"DeleteGrantResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
       "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
},
"DeleteLicenseConfigurationRequest":{
  "type":"structure",
```

```
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>ID of the license configuration.</p>"
    }
  }
},
"DeleteLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseManagerReportGeneratorRequest":{
  "type":"structure",
  "required":["LicenseManagerReportGeneratorArn"],
  "members":{
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>"
    }
  }
},
"DeleteLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "SourceVersion"
  ],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "SourceVersion":{
      "shape":"String",
      "documentation":"<p>Current version of the license.</p>"
    }
  }
},
"DeleteLicenseResponse":{
  "type":"structure",
  "members":{
```

```
    "Status":{
      "shape":"LicenseDeletionStatus",
      "documentation":"<p>License status.</p>"
    },
    "DeletionDate":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date when the license is deleted.</p>"
    }
  }
},
"DeleteTokenRequest":{
  "type":"structure",
  "required":["TokenId"],
   "members":{
    "TokenId":{
      "shape":"String",
      "documentation":"<p>Token ID.</p>"
    }
  }
},
"DeleteTokenResponse":{
  "type":"structure",
  "members":{
  }
},
"DigitalSignatureMethod":{
  "type":"string",
  "enum":["JWT_PS384"]
},
"Entitlement":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement resource. Use only if the unit is None.</p>"
    },
    "MaxCount":{
      "shape":"Long",
      "documentation":"<p>Maximum entitlement count. Use if the unit is not None.</p>"
    },
```

```
    "Overage":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether overages are allowed.</p>"
    },
    "Unit":{
       "shape":"EntitlementUnit",
      "documentation":"<p>Entitlement unit.</p>"
    },
    "AllowCheckIn":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether check-ins are allowed.</p>"
    }
  },
  "documentation":"<p>Describes a resource entitled for use with a license.</p>"
},
"EntitlementData":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement data name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement data value.</p>"
    },
    "Unit":{
      "shape":"EntitlementDataUnit",
      "documentation":"<p>Entitlement data unit.</p>"
    }
  },
  "documentation":"<p>Data associated with an entitlement resource.</p>"
},
"EntitlementDataList":{
  "type":"list",
  "member":{"shape":"EntitlementData"}
 },
"EntitlementDataUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
```

```
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
  ]
},
"EntitlementList":{
  "type":"list",
  "member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>The entitlement is not allowed.</p>",
  "exception":true
 },
"EntitlementUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
```

```
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
   ]
  },
  "EntitlementUsage":{
   "type":"structure",
   "required":[
    "Name",
    "ConsumedValue",
    "Unit"
   ],
   "members":{
    "Name":{
     "shape":"String",
     "documentation":"<p>Entitlement usage name.</p>"
    },
    "ConsumedValue":{
      "shape":"String",
     "documentation":"<p>Resource usage consumed.</p>"
    },
    "MaxCount":{
     "shape":"String",
     "documentation":"<p>Maximum entitlement usage count.</p>"
    },
    "Unit":{
     "shape":"EntitlementDataUnit",
     "documentation":"<p>Entitlement usage unit.</p>"
    }
   },
   "documentation":"<p>Usage associated with an entitlement resource.</p>"
  },
```

```
  "EntitlementUsageList":{
    "type":"list",
    "member":{"shape":"EntitlementUsage"}
  },
  "ExtendLicenseConsumptionRequest":{
    "type":"structure",
    "required":["LicenseConsumptionToken"],
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "DryRun":{
        "shape":"Boolean",
        "documentation":"<p>Checks whether you have the required permissions for the action, without actually making the request. Provides
 an error response if you do not have the required permissions.</p>"
      }
    }
  },
  "ExtendLicenseConsumptionResponse":{
    "type":"structure",
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "Expiration":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Date and time at which the license consumption expires.</p>"
      }
    }
  },
  "FailedDependencyException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"},
      "ErrorCode":{"shape":"String"}
    },
    "documentation":"<p>A dependency required to run the API is missing.</p>",
    "exception":true
  },
  "Filter":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"FilterName",
        "documentation":"<p>Name of the filter. Filter names are case-sensitive.</p>"
```

```
      },
      "Values":{

       "shape":"FilterValues",
        "documentation":"<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
      }
    },
    "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
  },
  "FilterLimitExceededException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The request uses too many filters or too many filter values.</p>",
    "exception":true
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
  },
  "FilterName":{"type":"string"},
  "FilterValue":{"type":"string"},
  "FilterValues":{
    "type":"list",
    "member":{"shape":"FilterValue"}
  },
  "Filters":{
    "type":"list",
    "member":{"shape":"Filter"}
  },

 "GetAccessTokenRequest":{
    "type":"structure",
    "required":["Token"],
    "members":{
      "Token":{
        "shape":"TokenString",
        "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Token properties to validate against those present in the JWT token.</p>"
      }
    }
  },
```

```
"GetAccessTokenResponse":{
  "type":"structure",
  "members":{
    "AccessToken":{
      "shape":"TokenString",
      "documentation":"<p>Temporary access token.</p>"
    }
  }
},
"GetGrantRequest":{
  "type":"structure",
  "required":["GrantArn"],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
},
 "GetGrantResponse":{
  "type":"structure",
  "members":{
    "Grant":{
      "shape":"Grant",
      "documentation":"<p>Grant details.</p>"
    }
  }
},
"GetLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
  }
},
"GetLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationId":{
      "shape":"String",
      "documentation":"<p>Unique ID for the license configuration.</p>"
```

```
},
"LicenseConfigurationArn":{
  "shape":"String",
  "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
 },
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
  "shape":"LicenseCountingType",
  "documentation":"<p>Dimension for which the licenses are counted.</p>"
},
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of available licenses.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Sets the number of available licenses as a hard limit.</p>"
},
"ConsumedLicenses":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses assigned to resources.</p>"
},
"Status":{
  "shape":"String",
  "documentation":"<p>License configuration status.</p>"
 },
"OwnerAccountId":{
  "shape":"String",
  "documentation":"<p>Account ID of the owner of the license configuration.</p>"
},
"ConsumedLicenseSummaryList":{
  "shape":"ConsumedLicenseSummaryList",
  "documentation":"<p>Summaries of the licenses consumed by resources.</p>"
},
"ManagedResourceSummaryList":{
  "shape":"ManagedResourceSummaryList",
  "documentation":"<p>Summaries of the managed resources.</p>"
```

```
      },
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Tags for the license configuration.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      },
      "AutomatedDiscoveryInformation":{
        "shape":"AutomatedDiscoveryInformation",
        "documentation":"<p>Automated discovery information.</p>"
      },
      "DisassociateWhenNotFound":{
        "shape":"BoxBoolean",
        "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
      }
    }
  },
  "GetLicenseConversionTaskRequest":{
    "type":"structure",
    "required":["LicenseConversionTaskId"],
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>ID of the license type conversion task to retrieve information on.</p>"
      }
    }
  },
  "GetLicenseConversionTaskResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>ID of the license type conversion task.</p>"
      },
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Names (ARN) of the resources the license conversion task is
associated with.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type converted from.</p>"
      },
      "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type converted to.</p>"
```

```
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for the conversion task.</p>"
      },
      "Status":{
        "shape":"LicenseConversionTaskStatus",
        "documentation":"<p>Status of the license type conversion task.</p>"
      },
      "StartTime":{
        "shape":"DateTime",
        "documentation":"<p>Time at which the license type conversion task was started .</p>"
      },
      "LicenseConversionTime":{
        "shape":"DateTime",
        "documentation":"<p>Amount of time to complete the license type conversion.</p>"
      },
      "EndTime":{
        "shape":"DateTime",
        "documentation":"<p>Time
at which the license type conversion task was completed.</p>"
      }
    }
  },
  "GetLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":["LicenseManagerReportGeneratorArn"],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
      }
    }
  },
  "GetLicenseManagerReportGeneratorResponse":{
    "type":"structure",
    "members":{
      "ReportGenerator":{
        "shape":"ReportGenerator",
        "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
      }
    }
  },
  "GetLicenseRequest":{
    "type":"structure",
    "required":["LicenseArn"],
    "members":{
      "LicenseArn":{
```

```
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "Version":{

 "shape":"String",
      "documentation":"<p>License version.</p>"
    }
  }
},
"GetLicenseResponse":{
  "type":"structure",
  "members":{
    "License":{
      "shape":"License",
      "documentation":"<p>License details.</p>"
    }
  }
},
"GetLicenseUsageRequest":{
  "type":"structure",
  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    }
  }
},
"GetLicenseUsageResponse":{
  "type":"structure",
  "members":{
    "LicenseUsage":{
      "shape":"LicenseUsage",
      "documentation":"<p>License usage details.</p>"
    }
  }
},
"GetServiceSettingsRequest":{
  "type":"structure",
  "members":{
  }
},
"GetServiceSettingsResponse":{
  "type":"structure",
  "members":{
    "S3BucketArn":{
      "shape":"String",
```

```
      "documentation":"<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on.</p>"
      },
      "SnsTopicArn":{
        "shape":"String",
        "documentation":"<p>SNS topic configured to receive notifications from License Manager.</p>"
      },
      "OrganizationConfiguration":{
        "shape":"OrganizationConfiguration",
        "documentation":"<p>Indicates whether Organizations is integrated with License Manager for cross-account discovery.</p>"
      },
      "EnableCrossAccountsDiscovery":{
        "shape":"BoxBoolean",
        "documentation":"<p>Indicates whether cross-account discovery is enabled.</p>"
      },
      "LicenseManagerResourceShareArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share.</p>"
      }
    }
  },
  "Grant":{
    "type":"structure",
    "required":[
      "GrantArn",
      "GrantName",
      "ParentArn",
      "LicenseArn",
      "GranteePrincipalArn",
      "HomeRegion",
      "GrantStatus",
      "Version",
      "GrantedOperations"
    ],
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
      },
      "ParentArn":{
        "shape":"Arn",
```

```
      "documentation":"<p>Parent ARN.</p>"
    },
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>License ARN.</p>"
    },
    "GranteePrincipalArn":{
      "shape":"Arn",
      "documentation":"<p>The grantee principal ARN.</p>"
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the grant.</p>"
    },
    "GrantStatus":{
       "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>Grant status reason.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    },
    "GrantedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Granted operations.</p>"
    },
    "Options":{
      "shape":"Options",
      "documentation":"<p>The options specified for the grant.</p>"
    }
  },
  "documentation":"<p>Describes a grant.</p>"
},
"GrantList":{
  "type":"list",
  "member":{"shape":"Grant"}
},
"GrantStatus":{
  "type":"string",
  "enum":[
    "PENDING_WORKFLOW",
    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
```

```
      "FAILED_WORKFLOW",
      "DELETED",
      "PENDING_DELETE",
      "DISABLED",

 "WORKFLOW_COMPLETED"
    ]
   },
   "GrantedLicense":{
    "type":"structure",
    "members":{
     "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
     },
     "LicenseName":{
      "shape":"String",
      "documentation":"<p>License name.</p>"
     },
     "ProductName":{
      "shape":"String",
      "documentation":"<p>Product name.</p>"
     },
     "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
     },
     "Issuer":{
      "shape":"IssuerDetails",
      "documentation":"<p>Granted license issuer.</p>"
     },
     "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the granted license.</p>"
     },
     "Status":{
      "shape":"LicenseStatus",
      "documentation":"<p>Granted license status.</p>"
     },
     "Validity":{
      "shape":"DatetimeRange",
       "documentation":"<p>Date and time range during which the granted license is valid, in ISO8601-UTC
format.</p>"
     },
     "Beneficiary":{
      "shape":"String",
      "documentation":"<p>Granted license beneficiary.</p>"
     },
```

```
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License entitlements.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Granted license metadata.</p>"
      },
      "CreateTime":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Creation time of the granted license.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Version of the granted license.</p>"
      },
      "ReceivedMetadata":{
         "shape":"ReceivedMetadata",
        "documentation":"<p>Granted license received metadata.</p>"
      }
    },
    "documentation":"<p>Describes a license that is granted to a grantee.</p>"
  },
  "GrantedLicenseList":{
    "type":"list",
    "member":{"shape":"GrantedLicense"}
  },
  "ISO8601DateTime":{
    "type":"string",
    "max":50,
    "pattern":"^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-
9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
  },
  "Integer":{"type":"integer"},
  "InvalidParameterValueException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>One or more parameter values are not valid.</p>",
    "exception":true,
    "synthetic":true
  },
  "InvalidResourceStateException":{
```

```
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}

  },
    "documentation":"<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For example, you cannot allocate a license to an instance in the process of shutting down.</p>",
    "exception":true
  },
  "InventoryFilter":{
    "type":"structure",
    "required":[
      "Name",
      "Condition"
    ],
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Name of the filter.</p>"
      },
      "Condition":{
        "shape":"InventoryFilterCondition",
        "documentation":"<p>Condition of the filter.</p>"
      },
      "Value":{
        "shape":"String",
        "documentation":"<p>Value of the filter.</p>"
      }
    },
    "documentation":"<p>An inventory filter.</p>"
  },
  "InventoryFilterCondition":{
    "type":"string",
    "enum":[
      "EQUALS",
      "NOT_EQUALS",
      "BEGINS_WITH",
      "CONTAINS"
    ]
  },
  "InventoryFilterList":{
     "type":"list",
    "member":{"shape":"InventoryFilter"}
  },
  "Issuer":{
    "type":"structure",
    "required":["Name"],
    "members":{
```

```
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      }
    },
    "documentation":"<p>Details about the issuer of a license.</p>"
  },
  "IssuerDetails":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      },
      "KeyFingerprint":{
        "shape":"String",
        "documentation":"<p>Issuer key fingerprint.</p>"
      }
    },
    "documentation":"<p>Details associated with the issuer of a license.</p>"
  },
  "License":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "ProductSKU":{
        "shape":"String",
```

```
    "documentation":"<p>Product SKU.</p>"
   },
   "Issuer":{
    "shape":"IssuerDetails",
    "documentation":"<p>License issuer.</p>"
   },
   "HomeRegion":{
    "shape":"String",
    "documentation":"<p>Home Region of the license.</p>"
   },
   "Status":{
    "shape":"LicenseStatus",
    "documentation":"<p>License status.</p>"
   },
   "Validity":{
    "shape":"DatetimeRange",
    "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
   },
   "Beneficiary":{
    "shape":"String",
    "documentation":"<p>License beneficiary.</p>"
   },
   "Entitlements":{
    "shape":"EntitlementList",
    "documentation":"<p>License entitlements.</p>"
   },
   "ConsumptionConfiguration":{
    "shape":"ConsumptionConfiguration",
    "documentation":"<p>Configuration for consumption of the license.</p>"
   },
   "LicenseMetadata":{
    "shape":"MetadataList",
    "documentation":"<p>License metadata.</p>"
   },
   "CreateTime":{
    "shape":"ISO8601DateTime",
    "documentation":"<p>License creation time.</p>"
   },
   "Version":{
     "shape":"String",
    "documentation":"<p>License version.</p>"
   }
  },
  "documentation":"<p>Software license that is managed in License Manager.</p>"
 },
 "LicenseConfiguration":{
  "type":"structure",
  "members":{
```

```
"LicenseConfigurationId":{
  "shape":"String",
  "documentation":"<p>Unique ID of the license configuration.</p>"
},
"LicenseConfigurationArn":{
  "shape":"String",
  "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
  "shape":"LicenseCountingType",
  "documentation":"<p>Dimension to use to track the license inventory.</p>"
 },
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Number of available licenses as a hard limit.</p>"
},
"DisassociateWhenNotFound":{
  "shape":"BoxBoolean",
  "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},
"ConsumedLicenses":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses consumed. </p>"
},
"Status":{
  "shape":"String",
  "documentation":"<p>Status of the license configuration.</p>"
},
"OwnerAccountId":{
  "shape":"String",
  "documentation":"<p>Account ID of the license
```

```
 configuration's owner.</p>"
      },
      "ConsumedLicenseSummaryList":{
        "shape":"ConsumedLicenseSummaryList",
        "documentation":"<p>Summaries for licenses consumed by various resources.</p>"
      },
      "ManagedResourceSummaryList":{
        "shape":"ManagedResourceSummaryList",
        "documentation":"<p>Summaries for managed resources.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      },
      "AutomatedDiscoveryInformation":{
        "shape":"AutomatedDiscoveryInformation",
        "documentation":"<p>Automated discovery information.</p>"
      }
    },
    "documentation":"<p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared
 tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used.</p>"
  },
  "LicenseConfigurationAssociation":{
    "type":"structure",
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of server resource.</p>"
      },
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":"<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":"<p>Time when the license configuration was associated with the resource.</p>"
      },
      "AmiAssociationScope":{
        "shape":"String",
        "documentation":"<p>Scope of
```

AMI associations. The possible value is <code>cross-account</code>. "
      }
    },
    "documentation":" Describes an association with a license configuration. "
  },
  "LicenseConfigurationAssociations":{
    "type":"list",
    "member":{"shape":"LicenseConfigurationAssociation"}
  },
  "LicenseConfigurationStatus":{
    "type":"string",
    "enum":[
      "AVAILABLE",
      "DISABLED"
    ]
  },
  "LicenseConfigurationUsage":{
    "type":"structure",
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":" Amazon Resource Name (ARN) of the resource. "
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":" Type of resource. "
      },
      "ResourceStatus":{
        "shape":"String",
        "documentation":" Status of the resource. "
      },
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":" ID of
the account that owns the resource. "
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":" Time when the license configuration was initially associated with the resource. "
      },
      "ConsumedLicenses":{
        "shape":"BoxLong",
        "documentation":" Number of licenses consumed by the resource. "
      }
    },
    "documentation":" Details about the usage of a resource associated with a license configuration. "
  },
  "LicenseConfigurationUsageList":{

```
    "type":"list",
    "member":{"shape":"LicenseConfigurationUsage"}
   },
   "LicenseConfigurations":{
    "type":"list",
    "member":{"shape":"LicenseConfiguration"}
   },
   "LicenseConversionContext":{
    "type":"structure",
    "members":{
     "UsageOperation":{
      "shape":"UsageOperation",
      "documentation":"<p>The Usage operation value that corresponds to the license type you are converting your
resource
 from. For more information about which platforms correspond to which usage operation values see <a
href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-fields.html#billing-info\">Sample
data: usage operation by platform </a> </p>"
     }
    },
    "documentation":"<p>Information about a license type conversion task.</p>"
   },
   "LicenseConversionTask":{
    "type":"structure",
    "members":{
     "LicenseConversionTaskId":{
      "shape":"LicenseConversionTaskId",
      "documentation":"<p>The ID of the license type conversion task.</p>"
     },
     "ResourceArn":{
      "shape":"String",
      "documentation":"<p>The Amazon Resource Name (ARN) of the resource associated with the license type
conversion task.</p>"
     },
     "SourceLicenseContext":{
      "shape":"LicenseConversionContext",
      "documentation":"<p>Information about the license type this conversion task converted from.</p>"
     },

    "DestinationLicenseContext":{
      "shape":"LicenseConversionContext",
      "documentation":"<p>Information about the license type this conversion task converted to.</p>"
     },
     "Status":{
      "shape":"LicenseConversionTaskStatus",
      "documentation":"<p>The status of the conversion task.</p>"
     },
     "StatusMessage":{
      "shape":"String",
```

```
      "documentation":"<p>The status message for the conversion task.</p>"
     },
     "StartTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the conversion task was started at.</p>"
     },
     "LicenseConversionTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the usage operation value of the resource was changed.</p>"
     },
     "EndTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the conversion task was completed.</p>"
     }
    },
    "documentation":"<p>Information about a
license type conversion task.</p>"
   },
   "LicenseConversionTaskId":{
    "type":"string",
    "max":50,
    "pattern":"^lct-[a-zA-Z0-9]*"
   },
   "LicenseConversionTaskStatus":{
    "type":"string",
    "enum":[
     "IN_PROGRESS",
     "SUCCEEDED",
     "FAILED"
    ]
   },
   "LicenseConversionTasks":{
    "type":"list",
    "member":{"shape":"LicenseConversionTask"}
   },
   "LicenseCountingType":{
    "type":"string",
    "enum":[
     "vCPU",
     "Instance",
     "Core",
     "Socket"
    ]
   },
   "LicenseDeletionStatus":{
    "type":"string",
    "enum":[
     "PENDING_DELETE",
```

```
    "DELETED"
   ]
  },
  "LicenseList":{
   "type":"list",
   "member":{"shape":"License"}
  },
  "LicenseOperationFailure":{
   "type":"structure",
   "members":{
    "ResourceArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },

"ResourceType":{
     "shape":"ResourceType",
     "documentation":"<p>Resource type.</p>"
    },
    "ErrorMessage":{
     "shape":"String",
     "documentation":"<p>Error message.</p>"
    },
    "FailureTime":{
     "shape":"DateTime",
     "documentation":"<p>Failure time.</p>"
    },
    "OperationName":{
     "shape":"String",
     "documentation":"<p>Name of the operation.</p>"
    },
    "ResourceOwnerId":{
     "shape":"String",
     "documentation":"<p>ID of the Amazon Web Services account that owns the resource.</p>"
    },
    "OperationRequestedBy":{
     "shape":"String",
     "documentation":"<p>The requester is \"License Manager Automated Discovery\".</p>"
    },
    "MetadataList":{
     "shape":"MetadataList",
     "documentation":"<p>Reserved.</p>"
    }
   },
   "documentation":"<p>Describes the failure of a license operation.</p>"
  },
  "LicenseOperationFailureList":{
   "type":"list",
```

```
  "member":{"shape":"LicenseOperationFailure"}
},
"LicenseSpecification":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "AmiAssociationScope":{
      "shape":"String",
      "documentation":"<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
    }
  },
  "documentation":"<p>Details for associating a license configuration with a resource.</p>"
},
"LicenseSpecifications":{
  "type":"list",
  "member":{"shape":"LicenseSpecification"}
},
"LicenseStatus":{
  "type":"string",
  "enum":[
    "AVAILABLE",
    "PENDING_AVAILABLE",
    "DEACTIVATED",
    "SUSPENDED",
    "EXPIRED",
    "PENDING_DELETE",
     "DELETED"
  ]
},
"LicenseUsage":{
  "type":"structure",
  "members":{
    "EntitlementUsages":{
      "shape":"EntitlementUsageList",
      "documentation":"<p>License entitlement usages.</p>"
    }
  },
  "documentation":"<p>Describes the entitlement usage associated with a license.</p>"
},
"LicenseUsageException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
```

```
    "documentation":"<p>You do not have enough licenses available to support a new resource launch.</p>",
    "exception":true
  },
  "ListAssociationsForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of a license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum
number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListAssociationsForLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationAssociations":{
        "shape":"LicenseConfigurationAssociations",
        "documentation":"<p>Information about the associations for the license configuration.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListDistributedGrantsRequest":{
    "type":"structure",
    "members":{
      "GrantArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results.
 The following filters are supported:</p> <ul> <li> <p> <code>LicenseArn</code> </p> </li> <li> <p>
<code>GrantStatus</code> </p> </li> <li> <p> <code>GranteePrincipalARN</code> </p> </li> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> </ul>"
```

```
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    },
    "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    }
  }
},
"ListDistributedGrantsResponse":{
  "type":"structure",
  "members":{
    "Grants":{
      "shape":"GrantList",
      "documentation":"<p>Distributed grant details.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListFailuresForLicenseConfigurationOperationsRequest":{
   "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name of the license configuration.</p>"
    },
    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListFailuresForLicenseConfigurationOperationsResponse":{
  "type":"structure",
  "members":{
    "LicenseOperationFailureList":{
      "shape":"LicenseOperationFailureList",
      "documentation":"<p>License configuration operations that failed.</p>"
```

```
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }

  },
  "ListLicenseConfigurationsRequest":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArns":{
        "shape":"StringList",
        "documentation":"<p>Amazon Resource Names (ARN) of the license configurations.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>licenseCountingType</code> - The dimension for which licenses are counted.
Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li>
 <p> <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is
used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been
exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> </ul>"
      }
    }
  },
  "ListLicenseConfigurationsResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurations":{
        "shape":"LicenseConfigurations",
        "documentation":"<p>Information about the license configurations.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
```

```
  },
  "ListLicenseConversionTasksRequest":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token
 for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p> Filters to scope the results. Valid filters are <code>ResourceArns</code> and
<code>Status</code>. </p>"
      }
    }
  },
  "ListLicenseConversionTasksResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTasks":{
        "shape":"LicenseConversionTasks",
        "documentation":"<p>Information about the license configuration tasks for your account.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListLicenseManagerReportGeneratorsRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters
 to scope the results. The following filters are supported: </p> <ul> <li> <p>
<code>LicenseConfigurationArn</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
```

```
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListLicenseManagerReportGeneratorsResponse":{
    "type":"structure",
    "members":{
     "ReportGenerators":{
      "shape":"ReportGeneratorList",
      "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListLicenseSpecificationsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
     "members":{
      "ResourceArn":{
       "shape":"String",
       "documentation":"<p>Amazon Resource Name (ARN) of a resource that has an associated license
configuration.</p>"
      },
      "MaxResults":{
       "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
       "shape":"String",
       "documentation":"<p>Token for the next set of results.</p>"
      }
     }
   },
   "ListLicenseSpecificationsForResourceResponse":{
    "type":"structure",
    "members":{
     "LicenseSpecifications":{
      "shape":"LicenseSpecifications",
      "documentation":"<p>License configurations associated with a resource.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
```

```
  },
  "ListLicenseVersionsRequest":{
    "type":"structure",

    "required":["LicenseArn"],
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListLicenseVersionsResponse":{
    "type":"structure",
    "members":{
      "Licenses":{
        "shape":"LicenseList",
        "documentation":"<p>License details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListLicensesRequest":{
    "type":"structure",
    "members":{
      "LicenseArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names
 (ARNs) of the licenses.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> <li> <p>
<code>Fingerprint</code> </p> </li> <li> <p> <code>Status</code> </p> </li> </ul>"
      },
      "NextToken":{
```

```
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"LicenseList",
      "documentation":"<p>License details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListReceivedGrantsForOrganizationRequest":{
    "type":"structure",
    "required":["LicenseArn"],
    "members":{
     "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>The Amazon Resource Name (ARN) of the received license.</p>"
     },
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ParentArn</code> </p> </li> <li> <p> <code>GranteePrincipalArn</code> </p> </li> </ul>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListReceivedGrantsForOrganizationResponse":{
    "type":"structure",
    "members":{
```

```
      "Grants":{

  "shape":"GrantList",
        "documentation":"<p>Lists the grants the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedGrantsRequest":{
    "type":"structure",
    "members":{
      "GrantArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> <li> <p>
<code>LicenseArn</code> </p> </li> <li> <p> <code>GrantStatus</code> </p> </li> <li> <p>
<code>GranterAccountId</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
       },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedGrantsResponse":{
    "type":"structure",
    "members":{
      "Grants":{
        "shape":"GrantList",
        "documentation":"<p>Received grant details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
```

```
  "ListReceivedLicensesForOrganizationRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedLicensesForOrganizationResponse":{
    "type":"structure",
    "members":{
      "Licenses":{
        "shape":"GrantedLicenseList",
        "documentation":"<p>Lists the licenses the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedLicensesRequest":{
    "type":"structure",
    "members":{
      "LicenseArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the licenses.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code>
 </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p> <code>Fingerprint</code> </p> </li> <li> <p>
<code>IssuerName</code> </p> </li> <li> <p> <code>Beneficiary</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
```

```
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListReceivedLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"GrantedLicenseList",
      "documentation":"<p>Received license details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListResourceInventoryRequest":{
    "type":"structure",
    "members":{
     "MaxResults":{
      "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "Filters":{
      "shape":"InventoryFilterList",
      "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>account_id</code> - The ID of the Amazon Web Services account that owns
the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> |
<code>BEGINS_WITH</code>.</p> </li> <li> <p> <code>license_included</code> - The type of license
included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are
<code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code>
 | <code>windows-server-datacenter</code>.</p> </li> <li> <p> <code>platform</code> - The platform of the
resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p> </li> <li> <p>
<code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>tag:&amp;lt;key&amp;gt;</code> - The key/value combination of
a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or
<code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p> </li> </ul>"
     }
```

```
    }
  },
  "ListResourceInventoryResponse":{
    "type":"structure",
    "members":{
      "ResourceInventoryList":{
        "shape":"ResourceInventoryList",
        "documentation":"<p>Information about the resources.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListTagsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    }
  },
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Information about the tags.</p>"
      }
    }
  },
  "ListTokensRequest":{
    "type":"structure",
    "members":{
      "TokenIds":{
        "shape":"StringList",
        "documentation":"<p>Token IDs.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filter is supported:</p> <ul> <li> <p>
<code>LicenseArns</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
```

```
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListTokensResponse":{
    "type":"structure",
    "members":{
      "Tokens":{
        "shape":"TokenList",
        "documentation":"<p>Received token details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListUsageForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },

 "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>resourceArn</code> - The ARN of the license configuration resource. Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> |
<code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>resourceAccount</code>
- The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> |
```

```
<code>NOT_EQUALS</code>.</p> </li> </ul>"
      }
     }
    },
    "ListUsageForLicenseConfigurationResponse":{
     "type":"structure",
     "members":{
       "LicenseConfigurationUsageList":{
        "shape":"LicenseConfigurationUsageList",
        "documentation":"<p>Information about the license configurations.</p>"
       },
       "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
       }
     }
    },
    "Location":{"type":"string"},
    "Long":{"type":"long"},
    "ManagedResourceSummary":{
     "type":"structure",
     "members":{
       "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of resource associated with a license.</p>"
       },
       "AssociationCount":{
        "shape":"BoxLong",
        "documentation":"<p>Number of resources associated with licenses.</p>"
       }
     },
     "documentation":"<p>Summary information about a managed resource.</p>"
    },
    "ManagedResourceSummaryList":{
     "type":"list",
     "member":{"shape":"ManagedResourceSummary"}
    },
    "MaxSize100":{
      "type":"integer",
     "max":100,
     "min":1
    },
    "MaxSize3StringList":{
     "type":"list",
     "member":{"shape":"String"},
     "max":3
    },
    "Message":{"type":"string"},
```

```
  "Metadata":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>The key name.</p>"
      },
      "Value":{
        "shape":"String",
        "documentation":"<p>The value.</p>"
      }
    },
    "documentation":"<p>Describes key/value pairs.</p>"
  },
  "MetadataList":{
    "type":"list",
    "member":{"shape":"Metadata"}
  },
  "NoEntitlementsAllowedException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
    "exception":true
  },
  "Options":{
    "type":"structure",
    "members":{
      "ActivationOverrideBehavior":{
        "shape":"ActivationOverrideBehavior",
        "documentation":"<p>An activation option for your grant that determines the behavior of activating a grant. Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the <code>Status</code> parameter.</p> <ul> <li> <p>As a license administrator, you can optionally specify an <code>ActivationOverrideBehavior</code> when activating a grant.</p> </li> <li> <p>As a grantor, you can optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in your organization.</p> </li> <li> <p>As a grantee, if the grantor creating the distributed grant doesnt specify an <code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.</p> </li> </ul> <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> <p>Use this value to activate a grant without replacing any member accounts active grants for the same product.</p> </dd> <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> <p>Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.</p> </dd> </dl>"
      }
    },
    "documentation":"<p>The options you can specify when you create a new version of a grant, such as activation
```

override behavior. For more information, see Granted licenses in License Manager in the License Manager User Guide. "
},
"OrganizationConfiguration":{
"type":"structure",
"required":["EnableIntegration"],
"members":{
"EnableIntegration":{
"shape":"Boolean",
"documentation":" Enables Organizations integration. "
}
},

"documentation":" Configuration information for Organizations. "
},
"PrincipalArnList":{
"type":"list",
"member":{"shape":"Arn"},
"max":1,
"min":1
},
"ProductInformation":{
"type":"structure",
"required":[
"ResourceType",
"ProductInformationFilterList"
],
"members":{
"ResourceType":{
"shape":"String",
"documentation":" Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>. "
},
"ProductInformationFilterList":{
"shape":"ProductInformationFilterList",
"documentation":" A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. Accepted values for <code>ProductInformationFilterName</code>
are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. The following filters and are supported when the resource type is <code>SSM_MANAGED</code>: <ul> <code>Application Name</code> - The name of the application. Logical operator is <code>EQUALS</code>.   <code>Application Publisher</code> - The publisher of the application. Logical operator is <code>EQUALS</code>.   <code>Application Version</code> - The version of the application. Logical operator is <code>EQUALS</code>.   <code>Platform Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.

<code>Platform Type</code> - The platform type. Logical operator is <code>EQUALS</code>.   <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical
operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.   <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>.   <code>License Included</code> - The type of license included. Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>. Possible values are: <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.   The following filters and logical operators are supported when the resource type is <code>RDS</code>: <ul> <code>Engine Edition</code> - The edition of the database engine. Logical operator is <code>EQUALS</code>. Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>.   <code>License Pack</code> - The license pack. Logical operator is <code>EQUALS</code>. Possible values are: <code>data guard</code> | <code>diagnostic pack sqlt</code> | <code>tuning pack sqlt</code> | <code>ols</code> | <code>olap</code>. "
      }
    },
    "documentation":" Describes product information for a license configuration. "
  },
  "ProductInformationFilter":{
    "type":"structure",
    "required":[
      "ProductInformationFilterName",
      "ProductInformationFilterComparator"
    ],
    "members":{
      "ProductInformationFilterName":{
        "shape":"String",
        "documentation":" Filter name. "
      },
      "ProductInformationFilterValue":{
        "shape":"StringList",
        "documentation":" Filter value. "
      },
      "ProductInformationFilterComparator":{
         "shape":"String",
        "documentation":" Logical operator. "
      }
    },
    "documentation":" Describes product information filters. "
  },
  "ProductInformationFilterList":{
    "type":"list",
    "member":{"shape":"ProductInformationFilter"}
  },
  "ProductInformationList":{

```
    "type":"list",
    "member":{"shape":"ProductInformation"}
  },
  "ProvisionalConfiguration":{
    "type":"structure",
    "required":["MaxTimeToLiveInMinutes"],
    "members":{
      "MaxTimeToLiveInMinutes":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum time for the provisional configuration, in minutes.</p>"
      }
    },
    "documentation":"<p>Details about a provisional configuration.</p>"
  },
  "RateLimitExceededException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>Too many requests have been submitted. Try again after
a brief wait.</p>",
    "exception":true
  },
  "ReceivedMetadata":{
    "type":"structure",
    "members":{
      "ReceivedStatus":{
        "shape":"ReceivedStatus",
        "documentation":"<p>Received status.</p>"
      },
      "ReceivedStatusReason":{
        "shape":"StatusReasonMessage",
        "documentation":"<p>Received status reason.</p>"
      },
      "AllowedOperations":{
        "shape":"AllowedOperationList",
        "documentation":"<p>Allowed operations.</p>"
      }
    },
    "documentation":"<p>Metadata associated with received licenses and grants.</p>"
  },
  "ReceivedStatus":{
    "type":"string",
    "enum":[
      "PENDING_WORKFLOW",
      "PENDING_ACCEPT",
      "REJECTED",
      "ACTIVE",
```

```
    "FAILED_WORKFLOW",
    "DELETED",
    "DISABLED",
    "WORKFLOW_COMPLETED"
   ]
  },
  "RedirectException":{
   "type":"structure",
   "members":{
    "Location":{"shape":"Location"},
     "Message":{"shape":"Message"}
   },
   "documentation":"<p>This is not the correct Region for the resource. Try again.</p>",
   "exception":true
  },
  "RejectGrantRequest":{
   "type":"structure",
   "required":["GrantArn"],
   "members":{
    "GrantArn":{
     "shape":"Arn",
     "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    }
   }
  },
  "RejectGrantResponse":{
   "type":"structure",
   "members":{
    "GrantArn":{
     "shape":"Arn",
     "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
     "shape":"GrantStatus",
     "documentation":"<p>Grant status.</p>"
    },
    "Version":{
     "shape":"String",
     "documentation":"<p>Grant version.</p>"
    }
   }
  },
  "RenewType":{
   "type":"string",
   "enum":[
    "None",
    "Weekly",
    "Monthly"
```

```
    ]
   },
   "ReportContext":{
    "type":"structure",
     "required":["licenseConfigurationArns"],
    "members":{
     "licenseConfigurationArns":{
      "shape":"ArnList",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration that this generator reports on.</p>"
     }
    },
    "documentation":"<p>Details of the license configuration that this generator reports on.</p>"
   },
   "ReportFrequency":{
    "type":"structure",
    "members":{
     "value":{
      "shape":"Integer",
      "documentation":"<p>Number of times within the frequency period that a report is generated. The only supported value is <code>1</code>.</p>"
     },
     "period":{
      "shape":"ReportFrequencyType",
      "documentation":"<p>Time period between each report. The period can be daily, weekly, or monthly.</p>"
     }
    },
    "documentation":"<p>Details about how frequently reports are generated.</p>"
   },
   "ReportFrequencyType":{
    "type":"string",
    "enum":[
     "DAY",
     "WEEK",
     "MONTH"
    ]
   },
   "ReportGenerator":{
    "type":"structure",
    "members":{
     "ReportGeneratorName":{
      "shape":"String",
      "documentation":"<p>Name of the report generator.</p>"
     },
     "ReportType":{
      "shape":"ReportTypeList",
      "documentation":"<p>Type of reports that are generated.</p>"
     },
```

```
      "ReportContext":{
        "shape":"ReportContext",
        "documentation":"<p>License configuration type for this generator.</p>"
      },
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Details about how frequently reports are generated.</p>"
      },
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
      },
      "LastRunStatus":{
        "shape":"String",
        "documentation":"<p>Status of the
last report generation attempt.</p>"
      },
      "LastRunFailureReason":{
        "shape":"String",
        "documentation":"<p>Failure message for the last report generation attempt.</p>"
      },
      "LastReportGenerationTime":{
        "shape":"String",
        "documentation":"<p>Time the last report was generated at.</p>"
      },
      "ReportCreatorAccount":{
        "shape":"String",
        "documentation":"<p>The Amazon Web Services account ID used to create the report generator.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>Description of the report generator.</p>"
      },
      "S3Location":{
        "shape":"S3Location",
        "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
      },
      "CreateTime":{
        "shape":"String",
        "documentation":"<p>Time the report was created.</p>"
      },
      "Tags":{

    "shape":"TagList",
        "documentation":"<p>Tags associated with the report generator.</p>"
      }
    },
    "documentation":"<p>Describe the details of a report generator.</p>"
```

```
},
"ReportGeneratorList":{
  "type":"list",
  "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
  "type":"string",
  "max":100,
  "min":1
},
"ReportType":{
  "type":"string",
  "enum":[
    "LicenseConfigurationSummaryReport",
    "LicenseConfigurationUsageReport"
  ]
},
"ReportTypeList":{
  "type":"list",
  "member":{"shape":"ReportType"}
},
"ResourceInventory":{
  "type":"structure",
  "members":{
    "ResourceId":{
      "shape":"String",
      "documentation":"<p>ID of the resource.</p>"
    },
    "ResourceType":{
      "shape":"ResourceType",
      "documentation":"<p>Type of resource.</p>"
    },
    "ResourceArn":{
      "shape":"String",
       "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },
    "Platform":{
      "shape":"String",
      "documentation":"<p>Platform of the resource.</p>"
    },
    "PlatformVersion":{
      "shape":"String",
      "documentation":"<p>Platform version of the resource in the inventory.</p>"
    },
    "ResourceOwningAccountId":{
      "shape":"String",
      "documentation":"<p>ID of the account that owns the resource.</p>"
    }
```

```
  },
  "documentation":"<p>Details about a resource.</p>"
},
"ResourceInventoryList":{
  "type":"list",
  "member":{"shape":"ResourceInventory"}
},
"ResourceLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>Your resource limits have been exceeded.</p>",
  "exception":true
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
     "Message":{"shape":"Message"}
  },
  "documentation":"<p>The resource cannot be found.</p>",
  "exception":true
},
"ResourceType":{
  "type":"string",
  "enum":[
    "EC2_INSTANCE",
    "EC2_HOST",
    "EC2_AMI",
    "RDS",
    "SYSTEMS_MANAGER_MANAGED_INSTANCE"
  ]
},
"S3Location":{
  "type":"structure",
  "members":{
    "bucket":{
      "shape":"String",
      "documentation":"<p>Name of the S3 bucket reports are published to.</p>"
    },
    "keyPrefix":{
      "shape":"String",
      "documentation":"<p>Prefix of the S3 bucket reports are published to.</p>"
    }
  },
  "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
},
"ServerInternalException":{
```

```
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>The server experienced an internal error. Try again.</p>",
   "exception":true,
  "fault":true
},
"SignedToken":{
  "type":"string",
  "min":4096
},
"StatusReasonMessage":{
  "type":"string",
  "max":400,
  "pattern":"[\\s\\S]+"
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"String"}
},
"Tag":{
  "type":"structure",
  "members":{
    "Key":{
      "shape":"String",
      "documentation":"<p>Tag key.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Tag value.</p>"
    }
  },
  "documentation":"<p>Details about a tag for a license configuration.</p>"
},
"TagKeyList":{
  "type":"list",
  "member":{"shape":"String"}
},
"TagList":{
  "type":"list",
  "member":{"shape":"Tag"}
},
"TagResourceRequest":{
  "type":"structure",
  "required":[
    "ResourceArn",
```

```
      "Tags"
    ],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>One or more tags.</p>"
      }
    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "TokenData":{
    "type":"structure",
    "members":{
      "TokenId":{
        "shape":"String",
        "documentation":"<p>Token ID.</p>"
      },
      "TokenType":{
        "shape":"String",
        "documentation":"<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
      },
      "LicenseArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "ExpirationTime":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Token expiration time, in ISO8601-UTC format.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller.</p>"
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARN) of the roles included in the token.</p>"
      },
      "Status":{
        "shape":"String",
```

```
        "documentation":"<p>Token status. The possible values are <code>AVAILABLE</code> and
<code>DELETED</code>.</p>"
       }
      },
      "documentation":"<p>Describes a token.</p>"
    },
    "TokenList":{
      "type":"list",
      "member":{"shape":"TokenData"}
    },
    "TokenString":{
      "type":"string",
      "max":4096,
      "pattern":"\\S+"
    },
    "TokenType":{
      "type":"string",
      "enum":["REFRESH_TOKEN"]
    },
    "UnsupportedDigitalSignatureMethodException":{
      "type":"structure",
      "members":{
        "Message":{"shape":"Message"}
      },
      "documentation":"<p>The digital signature method is unsupported.
 Try your request again.</p>",
      "exception":true
    },
    "UntagResourceRequest":{
      "type":"structure",
      "required":[
        "ResourceArn",
        "TagKeys"
      ],
      "members":{
        "ResourceArn":{
          "shape":"String",
          "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
        },
        "TagKeys":{
          "shape":"TagKeyList",
          "documentation":"<p>Keys identifying the tags to remove.</p>"
        }
      }
    },
    "UntagResourceResponse":{
      "type":"structure",
      "members":{
```

```
    }
  },
  "UpdateLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "LicenseConfigurationStatus":{
        "shape":"LicenseConfigurationStatus",
        "documentation":"<p>New
 status of the license configuration.</p>"
      },
      "LicenseRules":{
        "shape":"StringList",
        "documentation":"<p>New license rule. The only rule that you can add after you create a license configuration
 is licenseAffinityToHost.</p>"
      },
      "LicenseCount":{
        "shape":"BoxLong",
        "documentation":"<p>New number of licenses managed by the license configuration.</p>"
      },
      "LicenseCountHardLimit":{
        "shape":"BoxBoolean",
        "documentation":"<p>New hard limit of the number of available licenses.</p>"
      },
      "Name":{
        "shape":"String",
        "documentation":"<p>New name of the license configuration.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>New description of the license configuration.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>New
 product information.</p>"
      },
      "DisassociateWhenNotFound":{
        "shape":"BoxBoolean",
        "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
      }
    }
  },
  "UpdateLicenseConfigurationResponse":{
```

```
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":[
      "LicenseManagerReportGeneratorArn",
      "ReportGeneratorName",
      "Type",
      "ReportContext",
      "ReportFrequency",
      "ClientToken"
    ],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator to update.</p>"
      },
      "ReportGeneratorName":{
        "shape":"ReportGeneratorName",
        "documentation":"<p>Name of the report generator.</p>"
      },
      "Type":{
        "shape":"ReportTypeList",
        "documentation":"<p>Type of reports to generate. The following report types are supported:</p> <ul> <li> <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p> </li> <li> <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p> </li> </ul>"
      },
      "ReportContext":{
        "shape":"ReportContext",
        "documentation":"<p>The report context.</p>"
      },
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Frequency by which reports are generated.</p>"
      },
      "ClientToken":{
        "shape":"ClientRequestToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>Description of the report generator.</p>"
```

```
  }
   }
  },
  "UpdateLicenseManagerReportGeneratorResponse":{
   "type":"structure",
   "members":{
   }
  },
  "UpdateLicenseSpecificationsForResourceRequest":{
   "type":"structure",
   "required":["ResourceArn"],
   "members":{
    "ResourceArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>"
    },
    "AddLicenseSpecifications":{
     "shape":"LicenseSpecifications",
     "documentation":"<p>ARNs of the license configurations to add.</p>"
    },
    "RemoveLicenseSpecifications":{
     "shape":"LicenseSpecifications",
     "documentation":"<p>ARNs of the license configurations to remove.</p>"
    }
   }
  },
  "UpdateLicenseSpecificationsForResourceResponse":{
   "type":"structure",
   "members":{
   }
  },
  "UpdateServiceSettingsRequest":{
   "type":"structure",
   "members":{
    "S3BucketArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored.</p>"
    },
    "SnsTopicArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
    },
    "OrganizationConfiguration":{
     "shape":"OrganizationConfiguration",
     "documentation":"<p>Enables integration with Organizations for cross-account discovery.</p>"
    },
```

```
      "EnableCrossAccountsDiscovery":{
        "shape":"BoxBoolean",
        "documentation":"<p>Activates cross-account discovery.</p>"
      }
    }
  },
  "UpdateServiceSettingsResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UsageOperation":{
    "type":"string",
    "max":50
  },
  "ValidationException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The provided input is not valid. Try your request again.</p>",
    "exception":true
  }
 },
 "documentation":"<p>License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers.</p>"
}
{
 "version":"2.0",
 "metadata":{
  "apiVersion":"2018-05-10",
  "endpointPrefix":"license-manager-user-subscriptions",
  "jsonVersion":"1.1",
  "protocol":"rest-json",
  "serviceFullName":"AWS License Manager User Subscriptions",
  "serviceId":"License Manager User Subscriptions",
  "signatureVersion":"v4",
  "signingName":"license-manager-user-subscriptions",
  "uid":"license-manager-user-subscriptions-2018-05-10"
 },
 "operations":{
  "AssociateUser":{
    "name":"AssociateUser",
    "http":{
      "method":"POST",
      "requestUri":"/user/AssociateUser",
      "responseCode":200
    },
```

```
    "input":{"shape":"AssociateUserRequest"},
    "output":{"shape":"AssociateUserResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
       {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Associates the user to an EC2 instance to utilize user-based subscriptions.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>",
    "idempotent":true
  },
  "DeregisterIdentityProvider":{
    "name":"DeregisterIdentityProvider",
    "http":{
      "method":"POST",
      "requestUri":"/identity-provider/DeregisterIdentityProvider",
      "responseCode":200
    },
    "input":{"shape":"DeregisterIdentityProviderRequest"},
    "output":{"shape":"DeregisterIdentityProviderResponse"},
    "errors":[
       {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Deregisters the identity provider from providing user-based subscriptions.</p>",
    "idempotent":true
  },
  "DisassociateUser":{
    "name":"DisassociateUser",
    "http":{
      "method":"POST",
      "requestUri":"/user/DisassociateUser",
      "responseCode":200
    },
    "input":{"shape":"DisassociateUserRequest"},
    "output":{"shape":"DisassociateUserResponse"},
```

```
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Disassociates the user from an EC2 instance providing user-based subscriptions.</p>",
  "idempotent":true
},
"ListIdentityProviders":{
  "name":"ListIdentityProviders",
  "http":{
    "method":"POST",
    "requestUri":"/identity-provider/ListIdentityProviders",
    "responseCode":200
  },
  "input":{"shape":"ListIdentityProvidersRequest"},
  "output":{"shape":"ListIdentityProvidersResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists the identity providers for user-based subscriptions.</p>"
},
"ListInstances":{
  "name":"ListInstances",
   "http":{
    "method":"POST",
    "requestUri":"/instance/ListInstances",
    "responseCode":200
  },
  "input":{"shape":"ListInstancesRequest"},
  "output":{"shape":"ListInstancesResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
```

```
    {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists the EC2 instances providing user-based subscriptions.</p>"
  },
  "ListProductSubscriptions":{
   "name":"ListProductSubscriptions",
   "http":{
    "method":"POST",
    "requestUri":"/user/ListProductSubscriptions",
    "responseCode":200
   },
   "input":{"shape":"ListProductSubscriptionsRequest"},
   "output":{"shape":"ListProductSubscriptionsResponse"},

   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists the user-based subscription products available from an identity provider.</p>"
  },
  "ListUserAssociations":{
   "name":"ListUserAssociations",
   "http":{
    "method":"POST",
    "requestUri":"/user/ListUserAssociations",
    "responseCode":200
   },
   "input":{"shape":"ListUserAssociationsRequest"},
   "output":{"shape":"ListUserAssociationsResponse"},
   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists user associations for an identity provider.</p>"
  },
  "RegisterIdentityProvider":{
   "name":"RegisterIdentityProvider",
   "http":{
```

```
      "method":"POST",
      "requestUri":"/identity-provider/RegisterIdentityProvider",
      "responseCode":200
    },
    "input":{"shape":"RegisterIdentityProviderRequest"},
    "output":{"shape":"RegisterIdentityProviderResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Registers an identity provider for user-based subscriptions.</p>",
    "idempotent":true
  },
  "StartProductSubscription":{
     "name":"StartProductSubscription",
    "http":{
      "method":"POST",
      "requestUri":"/user/StartProductSubscription",
      "responseCode":200
    },
    "input":{"shape":"StartProductSubscriptionRequest"},
    "output":{"shape":"StartProductSubscriptionResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Starts a product subscription for a user with the specified identity provider.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
 your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>"
  },
  "StopProductSubscription":{
    "name":"StopProductSubscription",
    "http":{
      "method":"POST",
      "requestUri":"/user/StopProductSubscription",
      "responseCode":200
```

```
    },
    "input":{"shape":"StopProductSubscriptionRequest"},
    "output":{"shape":"StopProductSubscriptionResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Stops a product subscription for a user with the specified identity provider.</p>"
  },
  "UpdateIdentityProviderSettings":{
    "name":"UpdateIdentityProviderSettings",
     "http":{
      "method":"POST",
      "requestUri":"/identity-provider/UpdateIdentityProviderSettings",
      "responseCode":200
    },
    "input":{"shape":"UpdateIdentityProviderSettingsRequest"},
    "output":{"shape":"UpdateIdentityProviderSettingsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Updates additional product configuration settings for the registered identity
provider.</p>",
    "idempotent":true
  }
 },
 "shapes":{
  "AccessDeniedException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>You don't have sufficient access to perform this action.</p>",
    "exception":true
  },
  "ActiveDirectoryIdentityProvider":{
    "type":"structure",
    "members":{
      "DirectoryId":{
       "shape":"String",
```

```
      "documentation":"<p>The directory ID for an Active Directory identity provider.</p>"
    }
  },
  "documentation":"<p>Details about an Active Directory identity provider.</p>"
},
"AssociateUserRequest":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "InstanceId",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>The identity provider of the user.</p>"
    },
    "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
     }
  }
},
"AssociateUserResponse":{
  "type":"structure",
  "required":["InstanceUserSummary"],
  "members":{
    "InstanceUserSummary":{
      "shape":"InstanceUserSummary",
      "documentation":"<p>Metadata that describes the associate user operation.</p>"
    }
  }
},
"BoxInteger":{
  "type":"integer",
  "box":true
},
"ConflictException":{
  "type":"structure",
  "members":{
```

```
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request couldn't be completed because it conflicted with the current state of the resource.</p>",
    "exception":true,
    "fault":true
  },
  "DeregisterIdentityProviderRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product"
    ],
    "members":{
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
       },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      }
    }
  },
  "DeregisterIdentityProviderResponse":{
    "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
      "IdentityProviderSummary":{
        "shape":"IdentityProviderSummary",
        "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
      }
    }
  },
  "DisassociateUserRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "InstanceId",
      "Username"
    ],
    "members":{
      "Domain":{
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
```

```
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },

  "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
  }
 },
 "DisassociateUserResponse":{
  "type":"structure",
  "required":["InstanceUserSummary"],
  "members":{
   "InstanceUserSummary":{
    "shape":"InstanceUserSummary",
    "documentation":"<p>Metadata that describes the associate user operation.</p>"
   }
  }
 },
 "Filter":{
  "type":"structure",
  "members":{
   "Attribute":{
    "shape":"String",
    "documentation":"<p>The name of an attribute to use as a filter.</p>"
   },
   "Operation":{
    "shape":"String",
    "documentation":"<p>The type of search (For example, eq, geq, leq)</p>"
   },
   "Value":{

  "shape":"String",
      "documentation":"<p>Value of the filter.</p>"
    }
   },
    "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
  },
  "FilterList":{
   "type":"list",
   "member":{"shape":"Filter"}
  },
  "IdentityProvider":{
```

```
    "type":"structure",
    "members":{
      "ActiveDirectoryIdentityProvider":{
        "shape":"ActiveDirectoryIdentityProvider",
        "documentation":"<p>An object that details an Active Directory identity provider.</p>"
      }
    },
    "documentation":"<p>Details about an identity provider.</p>",
    "union":true
  },
  "IdentityProviderSummary":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "Settings",
      "Status"
    ],
    "members":{
      "FailureMessage":{
        "shape":"String",
        "documentation":"<p>The failure message associated with an identity provider.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Settings":{
        "shape":"Settings",
        "documentation":"<p>An object that details the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of an identity provider.</p>"
      }
    },
    "documentation":"<p>Describes an identity provider.</p>"
  },
  "IdentityProviderSummaryList":{
    "type":"list",
    "member":{"shape":"IdentityProviderSummary"}
  },
  "InstanceSummary":{
```

```
  "type":"structure",
  "required":[
    "InstanceId",
    "Products",
    "Status"
  ],
  "members":{
    "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "LastStatusCheckDate":{
      "shape":"String",
      "documentation":"<p>The date of the last status check.</p>"
    },
    "Products":{
      "shape":"StringList",
      "documentation":"<p>A list of provided user-based subscription products.</p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>The status of an EC2 instance resource.</p>"
    },
    "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for an EC2 instance.</p>"
    }
  },
  "documentation":"<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 },
 "InstanceSummaryList":{
  "type":"list",
  "member":{"shape":"InstanceSummary"}
 },
 "InstanceUserSummary":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "InstanceId",
    "Status",
    "Username"
  ],
  "members":{
    "AssociationDate":{
      "shape":"String",
      "documentation":"<p>The date a user was associated with an EC2 instance.</p>"
    },
    "DisassociationDate":{
```

```
      "shape":"String",
      "documentation":"<p>The date a user was disassociated from an EC2 instance.</p>"
     },
     "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
     },
     "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
     "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID
of the EC2 instance, which provides user-based subscriptions.</p>"
     },
     "Status":{
      "shape":"String",
      "documentation":"<p>The status of a user associated with an EC2 instance.</p>"
     },
     "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for users of an EC2 instance.</p>"
     },
     "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
     }
    },
    "documentation":"<p>Describes users of an EC2 instance providing user-based subscriptions.</p>"
   },
   "InstanceUserSummaryList":{
    "type":"list",
    "member":{"shape":"InstanceUserSummary"}
   },
   "InternalServerException":{
    "type":"structure",
    "members":{
     "message":{"shape":"String"}
    },
    "documentation":"<p>An exception occurred with the service.</p>",
    "exception":true,
    "fault":true
   },
   "ListIdentityProvidersRequest":{
     "type":"structure",
    "members":{
     "MaxResults":{
```

```
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListIdentityProvidersResponse":{
    "type":"structure",
    "required":["IdentityProviderSummaries"],
    "members":{
     "IdentityProviderSummaries":{
      "shape":"IdentityProviderSummaryList",
      "documentation":"<p>Metadata that describes the list identity providers operation.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListInstancesRequest":{
    "type":"structure",
    "members":{
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>An
 array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that
you specify.</p>"
     },
     "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListInstancesResponse":{
    "type":"structure",
    "members":{
     "InstanceSummaries":{
      "shape":"InstanceSummaryList",
      "documentation":"<p>Metadata that describes the list instances operation.</p>"
```

```
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
 },
 "ListProductSubscriptionsRequest":{
  "type":"structure",
  "required":[
   "IdentityProvider",
   "Product"
  ],
  "members":{
    "Filters":{
     "shape":"FilterList",
     "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
    },
    "IdentityProvider":{
     "shape":"IdentityProvider",
     "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "MaxResults":{
     "shape":"BoxInteger",
     "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
     "shape":"String",
     "documentation":"<p>Token for the next set of results.</p>"
    },
    "Product":{
     "shape":"String",
     "documentation":"<p>The name of the user-based subscription product.</p>"
    }
  }
 },
 "ListProductSubscriptionsResponse":{
  "type":"structure",
  "members":{
   "NextToken":{
     "shape":"String",
     "documentation":"<p>Token
for the next set of results.</p>"
    },
    "ProductUserSummaries":{
     "shape":"ProductUserSummaryList",
     "documentation":"<p>Metadata that describes the list product subscriptions operation.</p>"
```

```
    }
   }
  },
  "ListUserAssociationsRequest":{
   "type":"structure",
   "required":[
    "IdentityProvider",
    "InstanceId"
   ],
   "members":{
    "Filters":{
     "shape":"FilterList",
     "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
    },
    "IdentityProvider":{
     "shape":"IdentityProvider",
     "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "InstanceId":{
     "shape":"String",
     "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },

    "MaxResults":{
     "shape":"BoxInteger",
     "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
     "shape":"String",
     "documentation":"<p>Token for the next set of results.</p>"
    }
   }
  },
  "ListUserAssociationsResponse":{
   "type":"structure",
   "members":{
    "InstanceUserSummaries":{
     "shape":"InstanceUserSummaryList",
     "documentation":"<p>Metadata that describes the list user association operation.</p>"
    },
    "NextToken":{
     "shape":"String",
     "documentation":"<p>Token for the next set of results.</p>"
    }
   }
  },
  "ProductUserSummary":{
```

```
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "Status",
      "Username"
    ],
    "members":{
      "Domain":{
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
       },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of a product for a user.</p>"
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for a product for a user.</p>"
      },
      "SubscriptionEndDate":{
        "shape":"String",
        "documentation":"<p>The end date of a subscription.</p>"
      },
      "SubscriptionStartDate":{
        "shape":"String",
        "documentation":"<p>The start date of a subscription.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider
of the user.</p>"
      }
    },
    "documentation":"<p>The summary of the user-based subscription products for a user.</p>"
  },
  "ProductUserSummaryList":{
    "type":"list",
    "member":{"shape":"ProductUserSummary"}
  },
```

```
  "RegisterIdentityProviderRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product"
    ],
    "members":{
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Settings":{
        "shape":"Settings",
        "documentation":"<p>The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
      }
    }
  },
  "RegisterIdentityProviderResponse":{

  "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
      "IdentityProviderSummary":{
        "shape":"IdentityProviderSummary",
        "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
      }
    }
  },
  "ResourceNotFoundException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The resource couldn't be found.</p>",
    "error":{
      "httpStatusCode":404,
      "senderFault":true
    },
    "exception":true
  },
  "SecurityGroup":{
    "type":"string",
    "max":200,
```

```
    "min":5,
    "pattern":"^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
   },
   "ServiceQuotaExceededException":{
    "type":"structure",
    "members":{
     "message":{"shape":"String"}
    },
    "documentation":"<p>The request failed because a service quota is exceeded.</p>",
    "exception":true
   },
   "Settings":{
     "type":"structure",
    "required":[
     "SecurityGroupId",
     "Subnets"
    ],
    "members":{
     "SecurityGroupId":{
      "shape":"SecurityGroup",
      "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoint for activation servers.</p>"
     },
     "Subnets":{
      "shape":"SettingsSubnetsList",
      "documentation":"<p>The subnets defined for the registered identity provider.</p>"
     }
    },
    "documentation":"<p>The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group should permit inbound TCP port 1688 communication from resources in the VPC.</p>"
   },
   "SettingsSubnetsList":{
    "type":"list",
    "member":{"shape":"Subnet"},
    "min":1
   },
   "StartProductSubscriptionRequest":{
     "type":"structure",
    "required":[
     "IdentityProvider",
     "Product",
     "Username"
    ],
    "members":{
     "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
```

```
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider of the user.</p>"
    }
   }
  },
  "StartProductSubscriptionResponse":{
   "type":"structure",
   "required":["ProductUserSummary"],
   "members":{
    "ProductUserSummary":{
     "shape":"ProductUserSummary",
     "documentation":"<p>Metadata that describes
the start product subscription operation.</p>"
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    "Username"
   ],
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     "shape":"String",
     "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
     "shape":"IdentityProvider",
     "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "Product":{
     "shape":"String",
     "documentation":"<p>The name of the user-based subscription product.</p>"
    },
    "Username":{
     "shape":"String",
```

```
      "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
  }
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  "members":{
    "message":{"shape":"String"}
  },
  "documentation":"<p>The request was denied because of request throttling. Retry the request.</p>",
  "exception":true
},
"UpdateIdentityProviderSettingsRequest":{
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  "required":[
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    "Product",
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    "Product":{
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```

```
      "documentation":"<p>The name of the user-based subscription product.</p>"
     },
     "UpdateSettings":{
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    }
   },
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    "members":{
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      "shape":"Subnets",
      "documentation":"<p>The ID of one or more subnets in which License Manager will create a VPC endpoint for products that require connectivity to activation servers.</p>"
     },
     "RemoveSubnets":{
      "shape":"Subnets",
      "documentation":"<p>The ID of one or more subnets to remove.</p>"
     },
     "SecurityGroupId":{
      "shape":"SecurityGroup",
      "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
     }
    },
    "documentation":"<p>Updates the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
   },
   "ValidationException":{
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    },
```

"documentation":" A parameter is not valid. ",
"exception":true
}
},
"documentation":" With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances. "
}
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----
dateutil - Extensions to the standard Python datetime module.

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Version 3, 29 June 2007

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{
  "version": "1.0",
  "parameters": {
    "Region": {
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```
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fips.{Region}.{PartitionResult#dnsSuffix}",
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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 this partition does not support DualStack",
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}
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  "version": "1.0",
  "parameters": {
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      "builtIn": "AWS::Region",
      "required": false,
      "documentation": "The AWS region used to dispatch the request.",
      "type": "String"
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    "UseDualStack": {
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      "required": true,
      "default": false,
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```

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                          "conditions": [],
                          "endpoint": {
                            "url": "https://license-manager-linux-
```

```
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
                                        "properties": {},
                                        "headers": {}
                                    },
                                    "type": "endpoint"
                                }
                            ],
                            "type": "tree"
                        }
                    ],
                    "type": "tree"

                },
                {
                    "conditions": [],
                    "error": "DualStack is enabled but this partition does not support DualStack",
                    "type": "error"
                }
            ],
            "type": "tree"
        },
        {
            "conditions": [],
            "rules": [
                {
                    "conditions": [],
                    "endpoint": {
                        "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
                        "properties": {},

                    "headers": {}
                    },
                    "type": "endpoint"
                }
            ],
            "type": "tree"
        }
    ],
    "type": "tree"
  }
],
"type": "tree"
},
{
    "conditions": [],
    "error": "Invalid Configuration: Missing Region",
    "type": "error"
```

```
            }
          ],
          "type": "tree"
        }
      ]
    }
    {
     "pagination": {
      "ListAssociationsForLicenseConfiguration": {
       "input_token": "NextToken",
       "limit_key": "MaxResults",
       "output_token": "NextToken",
       "result_key": "LicenseConfigurationAssociations"
      },
      "ListLicenseConfigurations": {
       "input_token": "NextToken",
       "limit_key": "MaxResults",
       "output_token": "NextToken",
       "result_key": "LicenseConfigurations"
      },
      "ListLicenseSpecificationsForResource": {
       "input_token": "NextToken",
       "limit_key": "MaxResults",
       "output_token": "NextToken",
       "result_key": "LicenseSpecifications"
      },
      "ListResourceInventory": {
       "input_token": "NextToken",
       "limit_key": "MaxResults",
       "output_token": "NextToken",
       "result_key": "ResourceInventoryList"
      },
      "ListUsageForLicenseConfiguration": {
       "input_token": "NextToken",
       "limit_key": "MaxResults",
       "output_token": "NextToken",
       "result_key": "LicenseConfigurationUsageList"
      }
     }
    }
    {
     "version":"2.0",
     "metadata":{
      "apiVersion":"2018-05-10",
      "endpointPrefix":"license-manager-linux-subscriptions",
      "jsonVersion":"1.1",
      "protocol":"rest-json",
      "protocols":["rest-json"],
```

```
  "serviceFullName":"AWS License Manager Linux Subscriptions",
  "serviceId":"License Manager Linux Subscriptions",
  "signatureVersion":"v4",
  "signingName":"license-manager-linux-subscriptions",
  "uid":"license-manager-linux-subscriptions-2018-05-10",
  "auth":["aws.auth#sigv4"]
 },
 "operations":{
  "DeregisterSubscriptionProvider":{
   "name":"DeregisterSubscriptionProvider",
   "http":{
    "method":"POST",
    "requestUri":"/subscription/DeregisterSubscriptionProvider",
    "responseCode":200
   },
   "input":{"shape":"DeregisterSubscriptionProviderRequest"},
   "output":{"shape":"DeregisterSubscriptionProviderResponse"},
   "errors":[
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"ThrottlingException"},
    {"shape":"ValidationException"}
   ],
   "documentation":"<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions registered to your account.</p>",
   "idempotent":true
  },
  "GetRegisteredSubscriptionProvider":{
   "name":"GetRegisteredSubscriptionProvider",
   "http":{
    "method":"POST",
    "requestUri":"/subscription/GetRegisteredSubscriptionProvider",
    "responseCode":200
   },
   "input":{"shape":"GetRegisteredSubscriptionProviderRequest"},
   "output":{"shape":"GetRegisteredSubscriptionProviderResponse"},
   "errors":[
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"ThrottlingException"},
    {"shape":"ValidationException"}
   ],
   "documentation":"<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
   "idempotent":true
  },
  "GetServiceSettings":{
   "name":"GetServiceSettings",
```

```
    "http":{
      "method":"POST",
      "requestUri":"/subscription/GetServiceSettings",
      "responseCode":200
    },
    "input":{"shape":"GetServiceSettingsRequest"},
    "output":{"shape":"GetServiceSettingsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the Linux subscriptions service settings for your account.</p>",
    "idempotent":true
  },
  "ListLinuxSubscriptionInstances":{
    "name":"ListLinuxSubscriptionInstances",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListLinuxSubscriptionInstances",
      "responseCode":200
    },
    "input":{"shape":"ListLinuxSubscriptionInstancesRequest"},
    "output":{"shape":"ListLinuxSubscriptionInstancesResponse"},
    "errors":[
      {"shape":"InternalServerException"},
       {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux
subscriptions.</p>",
    "idempotent":true
  },
  "ListLinuxSubscriptions":{
    "name":"ListLinuxSubscriptions",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListLinuxSubscriptions",
      "responseCode":200
    },
    "input":{"shape":"ListLinuxSubscriptionsRequest"},
    "output":{"shape":"ListLinuxSubscriptionsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the Linux subscriptions that have been discovered. If you have linked your
```

organization, the returned results will include data aggregated across your accounts in Organizations. ",
"idempotent":true
},
"ListRegisteredSubscriptionProviders":{
"name":"ListRegisteredSubscriptionProviders",
"http":{
"method":"POST",
"requestUri":"/subscription/ListRegisteredSubscriptionProviders",
"responseCode":200
},
"input":{"shape":"ListRegisteredSubscriptionProvidersRequest"},
"output":{"shape":"ListRegisteredSubscriptionProvidersResponse"},
"errors":[
{"shape":"InternalServerException"},
{"shape":"ThrottlingException"},
{"shape":"ValidationException"}
],
"documentation":" List Bring Your Own License (BYOL) subscription registration resources for your account. ",
"idempotent":true
},
"ListTagsForResource":{
"name":"ListTagsForResource",
"http":{
"method":"GET",
"requestUri":"/tags/{resourceArn}",
"responseCode":200
},
"input":{"shape":"ListTagsForResourceRequest"},
"output":{"shape":"ListTagsForResourceResponse"},
"errors":[

{"shape":"InternalServerException"},
{"shape":"ResourceNotFoundException"},
{"shape":"ValidationException"}
],
"documentation":" List the metadata tags that are assigned to the specified Amazon Web Services resource. "
},
"RegisterSubscriptionProvider":{
"name":"RegisterSubscriptionProvider",
"http":{
"method":"POST",
"requestUri":"/subscription/RegisterSubscriptionProvider",
"responseCode":200
},
"input":{"shape":"RegisterSubscriptionProviderRequest"},
"output":{"shape":"RegisterSubscriptionProviderResponse"},

```
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
    "idempotent":true
  },
  "TagResource":{
    "name":"TagResource",
    "http":{
      "method":"PUT",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"TagResourceRequest"},
    "output":{"shape":"TagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
    "idempotent":true
  },
  "UntagResource":{
    "name":"UntagResource",
    "http":{
      "method":"DELETE",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"UntagResourceRequest"},
    "output":{"shape":"UntagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",
    "idempotent":true
  },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/UpdateServiceSettings",
```

```
      "responseCode":200
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Updates the service settings for Linux subscriptions.</p>",
    "idempotent":true
  }
 },
 "shapes":{
  "Boolean":{
    "type":"boolean",
    "box":true
  },
  "BoxInteger":{
    "type":"integer",
    "box":true
  },
  "BoxLong":{
    "type":"long",
    "box":true
  },
  "DeregisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
         "documentation":"<p>The Amazon Resource Name (ARN) of the subscription provider resource to
deregister.</p>"
      }
    }
  },
  "DeregisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Filter":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>The type of name to filter by.</p>"
```

```
      },
      "Operator":{
        "shape":"Operator",
        "documentation":"<p>An operator for filtering results.</p>"
      },
      "Values":{
        "shape":"StringList",
        "documentation":"<p>One or more values for the name to filter by.</p>"
      }
    },
    "documentation":"<p>A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria.</p>"
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
   },
  "GetRegisteredSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>"
      }
    }
  },
  "GetRegisteredSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL registration resource specified in the request.</p>"
      },

  "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) for the BYOL registration resource specified in the request.</p>"
      },
      "SubscriptionProviderSource":{
```

```
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The subscription provider for the BYOL registration resource specified in the request.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>The status of the Linux subscription provider access token from the last successful subscription data request.</p>"
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":"<p>The detailed message from your subscription provider token status.</p>"
      }
    }
  },
  "GetServiceSettingsRequest":{
    "type":"structure",
    "members":{
    }
  },
  "GetServiceSettingsResponse":{
     "type":"structure",
    "members":{
      "HomeRegions":{
        "shape":"StringList",
        "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>Lists the settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      },
      "Status":{
        "shape":"Status",
        "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
      },
      "StatusMessage":{
        "shape":"StringMap",
        "documentation":"<p>A
 message which details the Linux subscriptions service settings current status.</p>"
      }
    }
  },
```

```
  "Instance":{
    "type":"structure",
    "members":{
      "AccountID":{
        "shape":"String",
        "documentation":"<p>The account ID which owns the instance.</p>"
      },
      "AmiId":{
        "shape":"String",
        "documentation":"<p>The AMI ID used to launch the instance.</p>"
      },
      "DualSubscription":{
        "shape":"String",
        "documentation":"<p>Indicates that you have two different license subscriptions for the same software on your instance.</p>"
      },
      "InstanceID":{
        "shape":"String",
        "documentation":"<p>The instance ID of the resource.</p>"
      },
      "InstanceType":{
        "shape":"String",
        "documentation":"<p>The instance type of the resource.</p>"
      },
      "LastUpdatedTime":{
        "shape":"String",
        "documentation":"<p>The
 time in which the last discovery updated the instance details.</p>"
      },
      "OsVersion":{
        "shape":"String",
        "documentation":"<p>The operating system software version that runs on your instance.</p>"
      },
      "ProductCode":{
        "shape":"ProductCodeList",
        "documentation":"<p>The product code for the instance. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage operation values</a> in the <i>License Manager User Guide</i> .</p>"
      },
      "Region":{
        "shape":"String",
        "documentation":"<p>The Region the instance is running in.</p>"
      },
      "RegisteredWithSubscriptionProvider":{
        "shape":"String",
        "documentation":"<p>Indicates that your instance uses a BYOL license subscription from a third-party Linux subscription provider that you've registered with License Manager.</p>"
```

```
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of the instance.</p>"
      },
      "SubscriptionName":{
        "shape":"String",
        "documentation":"<p>The name of the license subscription that the instance uses.</p>"
      },
      "SubscriptionProviderCreateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp when you registered the third-party Linux subscription provider for the subscription that the instance uses.</p>"
      },
      "SubscriptionProviderUpdateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that the instance synced with the registered third-party Linux subscription provider.</p>"
      },
      "UsageOperation":{
        "shape":"String",
        "documentation":"<p>The usage operation of the instance. For more information, see For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage
 operation values</a> in the <i>License Manager User Guide</i>.</p>"
      }
    },
    "documentation":"<p>Details discovered information about a running instance using Linux subscriptions.</p>"
  },
  "InstanceList":{
    "type":"list",
    "member":{"shape":"Instance"}
  },
  "InternalServerException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>An exception occurred with the service.</p>",
    "exception":true,
    "fault":true
  },
  "LinuxSubscriptionsDiscovery":{
    "type":"string",
    "enum":[
      "Enabled",
      "Disabled"
    ]
```

```
  },
  "LinuxSubscriptionsDiscoverySettings":{
    "type":"structure",
    "required":[
      "OrganizationIntegration",
      "SourceRegions"
    ],
    "members":{
      "OrganizationIntegration":{
        "shape":"OrganizationIntegration",
        "documentation":"<p>Details
if you have enabled resource discovery across your accounts in Organizations.</p>"
      },
      "SourceRegions":{
        "shape":"StringList",
        "documentation":"<p>The Regions in which to discover data for Linux subscriptions.</p>"
      }
    },
    "documentation":"<p>Lists the settings defined for discovering Linux subscriptions.</p>"
  },
  "ListLinuxSubscriptionInstancesRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results by your specified criteria. For
example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code>
operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-
west</code>.</p> <p>For each filter, you can specify one of the following values for the <code>Name</code> key
to streamline results:</p>
 <ul> <li> <p> <code>AccountID</code> </p> </li> <li> <p> <code>AmiID</code> </p> </li> <li> <p>
<code>DualSubscription</code> </p> </li> <li> <p> <code>InstanceID</code> </p> </li> <li> <p>
<code>InstanceType</code> </p> </li> <li> <p> <code>ProductCode</code> </p> </li> <li> <p>
<code>Region</code> </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p>
<code>UsageOperation</code> </p> </li> </ul> <p>For each filter, you can use one of the following
<code>Operator</code> values to define the behavior of the filter:</p> <ul> <li> <p> <code>contains</code> </p>
</li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"ListLinuxSubscriptionInstancesRequestNextTokenString",
        "documentation":"<p>A token to specify where to start paginating.
 This is the nextToken from a previously truncated response.</p>"
      }
    },
```

```
    "documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases.</p>"
  },
  "ListLinuxSubscriptionInstancesRequestNextTokenString":{
    "type":"string",
    "max":16384,
    "min":1
  },
  "ListLinuxSubscriptionInstancesResponse":{
    "type":"structure",
    "members":{
      "Instances":{
        "shape":"InstanceList",
        "documentation":"<p>An array that contains instance objects.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      }
    }
  },
  "ListLinuxSubscriptionsRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. For example, you can filter by the name of <code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.</p> <p>The valid names for this filter are:</p> <ul> <li> <p> <code>Subscription</code> </p> </li> </ul> <p>The valid Operators for this filter are:</p> <ul> <li> <p> <code>contains</code> </p> </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"ListLinuxSubscriptionsRequestNextTokenString",
        "documentation":"<p>A token to specify where
 to start paginating. This is the nextToken from a previously truncated response.</p>"
      }
    },
    "documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases.</p>"
```

```
  },
  "ListLinuxSubscriptionsRequestNextTokenString":{
    "type":"string",
    "max":16384,
    "min":1
  },
  "ListLinuxSubscriptionsResponse":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      },
      "Subscriptions":{
        "shape":"SubscriptionList",
        "documentation":"<p>An array that contains subscription objects.</p>"
      }
    }
  },
  "ListRegisteredSubscriptionProvidersRequest":{
    "type":"structure",
    "members":{
      "MaxResults":{
        "shape":"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>A token to specify where to start paginating. This is the nextToken from a previously truncated response.</p>"
      },
      "SubscriptionProviderSources":{
        "shape":"SubscriptionProviderSourceList",
        "documentation":"<p>To filter your results, specify which subscription providers to return in the list.</p>"
      }
    }
  },
  "ListRegisteredSubscriptionProvidersRequestMaxResultsInteger":{
    "type":"integer",
    "box":true,
    "max":100,
    "min":1
  },
  "ListRegisteredSubscriptionProvidersResponse":{
    "type":"structure",
    "members":{
```

```
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token
 used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      },
      "RegisteredSubscriptionProviders":{
        "shape":"RegisteredSubscriptionProviderList",
        "documentation":"<p>The list of BYOL registration resources that fit the criteria you specified in the request.</p>"
      }
    }
  },
  "ListTagsForResourceRequest":{
    "type":"structure",
    "required":["resourceArn"],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the resource for which to list metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      }
    }
  },
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
      "tags":{
        "shape":"Tags",

   "documentation":"<p>The metadata tags for the requested resource.</p>"
      }
    }
  },
  "Operator":{
    "type":"string",
    "enum":[
      "Equal",
      "NotEqual",
      "Contains"
    ],
    "max":20,
    "min":1
  },
  "OrganizationIntegration":{
    "type":"string",
```

```
    "enum":[
      "Enabled",
      "Disabled"
    ]
  },
  "ProductCodeList":{
    "type":"list",
    "member":{"shape":"String"}
  },
  "RegisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":[
      "SecretArn",
      "SubscriptionProviderSource"
    ],
    "members":{
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The supported Linux subscription provider to register.</p>"
      },
      "Tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to your registered Linux subscription provider resource.</p>"
      }
    }
  },
  "RegisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "SubscriptionProviderArn":{
        "shape":"String",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The Linux subscription provider that you registered.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>Indicates the status of the registration action for
```

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 the Linux subscription provider that you requested.</p>"
      }
    }
  },
  "RegisteredSubscriptionProvider":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that License Manager accessed third-party
subscription data for your account from your registered Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your
registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token.</p>"
      },
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that
you registered.</p>"
      },
      "SubscriptionProviderSource":{

    "shape":"SubscriptionProviderSource",
        "documentation":"<p>A supported third-party Linux subscription provider. License Manager currently
supports Red Hat subscriptions.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>Indicates the status of your registered Linux subscription provider access token from the
last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the
offline token.</p>"
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":"<p>A detailed message that's associated with your BYOL subscription provider token
status.</p>"
      }
    },
    "documentation":"<p>A third-party provider for operating system (OS) platform software and license
subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can
get subscription
 data from the registered provider.</p>"
  },
  "RegisteredSubscriptionProviderList":{
    "type":"list",
    "member":{"shape":"RegisteredSubscriptionProvider"}
```

```
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
    "message":{"shape":"String"}
  },
  "documentation":"<p>Unable to find the requested Amazon Web Services resource.</p>",
  "exception":true
},
"SecretArn":{
  "type":"string",
  "pattern":"^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
},
"Status":{
  "type":"string",
  "enum":[
    "InProgress",
    "Completed",
    "Successful",
    "Failed"
  ]
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"StringListMemberString"},
  "max":100,
  "min":1
},
"StringListMemberString":{
  "type":"string",
  "max":100,
  "min":1
},
"StringMap":{
   "type":"map",
  "key":{"shape":"String"},
  "value":{"shape":"String"}
},
"Subscription":{
  "type":"structure",
  "members":{
    "InstanceCount":{
      "shape":"BoxLong",
      "documentation":"<p>The total amount of running instances using this subscription.</p>"
    },
    "Name":{
      "shape":"String",
```

```
      "documentation":"<p>The name of the subscription.</p>"
     },
     "Type":{
      "shape":"String",
      "documentation":"<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
     }
    },
    "documentation":"<p>An object which details a discovered Linux subscription.</p>"
   },
   "SubscriptionList":{
    "type":"list",
    "member":{"shape":"Subscription"}
   },
   "SubscriptionProviderArn":{
    "type":"string",
    "pattern":"^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
   },
   "SubscriptionProviderSource":{
    "type":"string",
    "enum":["RedHat"]
   },
   "SubscriptionProviderSourceList":{
    "type":"list",
    "member":{"shape":"SubscriptionProviderSource"}
   },
   "SubscriptionProviderStatus":{
    "type":"string",
    "enum":[
     "ACTIVE",
     "INVALID",
     "PENDING"
    ]
   },
   "TagKeyList":{
    "type":"list",
    "member":{"shape":"String"},
    "max":50,
    "min":0,
    "sensitive":true
   },
   "TagResourceRequest":{
    "type":"structure",
    "required":[
     "resourceArn",
```

```
      "tags"
    ],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon
 Web Services resource to which to add the specified metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      },
      "tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to the Amazon Web Services resource. Tags are formatted
as key value pairs.</p>"
      }
    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Tags":{
    "type":"map",
    "key":{"shape":"String"},
    "value":{"shape":"String"},
    "max":50,
    "min":0,
    "sensitive":true
  },
  "ThrottlingException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request was denied due to request throttling.</p>",
    "exception":true
  },
  "UntagResourceRequest":{
    "type":"structure",
    "required":[
      "resourceArn",
      "tagKeys"
    ],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove
```

```
the metadata tags from.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      },
      "tagKeys":{
        "shape":"TagKeyList",
        "documentation":"<p>A list of metadata tag keys to remove from the requested resource.</p>",
        "location":"querystring",
        "locationName":"tagKeys"
      }
    }
  },
  "UntagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateServiceSettingsRequest":{
    "type":"structure",
    "required":[
      "LinuxSubscriptionsDiscovery",
      "LinuxSubscriptionsDiscoverySettings"
    ],
    "members":{
      "AllowUpdate":{
        "shape":"Boolean",
        "documentation":"<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate
 Linux subscription data in more than one home Region.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Describes if the discovery of Linux subscriptions is enabled.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      }
    }
  },
  "UpdateServiceSettingsResponse":{
    "type":"structure",
    "members":{
      "HomeRegions":{
        "shape":"StringList",
        "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux subscriptions.</p>"
```

```
    },
    "LinuxSubscriptionsDiscovery":{
      "shape":"LinuxSubscriptionsDiscovery",
      "documentation":"<p>Lists
 if discovery has been enabled for Linux subscriptions.</p>"
    },
    "LinuxSubscriptionsDiscoverySettings":{
      "shape":"LinuxSubscriptionsDiscoverySettings",
      "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if
Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
    },
    "Status":{
      "shape":"Status",
      "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
    },
    "StatusMessage":{
      "shape":"StringMap",
      "documentation":"<p>A message which details the Linux subscriptions service settings current status.</p>"
    }
   }
  },
  "ValidationException":{
   "type":"structure",
   "members":{
    "message":{"shape":"String"}
   },
   "documentation":"<p>The provided input is not valid. Try your request again.</p>",
   "exception":true
  }

 },
 "documentation":"<p>With License Manager, you can discover and track your commercial Linux subscriptions on
running Amazon EC2 instances.</p>"
}
{
 "version": "1.0",
 "examples": {
 }
}
```


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```
{
  "version": "1.0",
  "parameters": {
    "Region": {
      "builtIn": "AWS::Region",
      "required": false,
      "documentation": "The AWS region used to dispatch the request.",
      "type": "String"
    },
```

```
    "UseDualStack": {
      "builtIn": "AWS::UseDualStack",
      "required": true,
      "default": false,
      "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
      "type": "Boolean"
    },
    "UseFIPS": {
      "builtIn": "AWS::UseFIPS",
      "required": true,
      "default": false,
      "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
      "type": "Boolean"
    },
    "Endpoint": {

   "builtIn": "SDK::Endpoint",
      "required": false,
      "documentation": "Override the endpoint used to send this request",
      "type": "String"
    }
  },
  "rules": [
    {
      "conditions": [
        {
          "fn": "isSet",
          "argv": [
            {
              "ref": "Endpoint"
            }
          ]
        }
      ],
      "type": "tree",
      "rules": [
        {
          "conditions": [
            {
              "fn": "booleanEquals",
              "argv": [
                {
                  "ref": "UseFIPS"
                },
                true
              ]
```

```
                }
            ],
            "error": "Invalid Configuration: FIPS and custom
endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        {
                            "ref": "UseDualStack"
                        },
                        true
                    ]
                }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
        },
        {
            "conditions": [],
            "endpoint": {
                "url": {
                    "ref": "Endpoint"
                },
                "properties": {},
                "headers": {}
            },
            "type": "endpoint"

        }
    ]
},
{
    "conditions": [
        {
            "fn": "isSet",
            "argv": [
                {
                    "ref": "Region"
                }
            ]
        }
    ],
    "type": "tree",
    "rules": [
```

```
            {
              "conditions": [
                {
                  "fn": "aws.partition",
                  "argv": [
                    {
                      "ref": "Region"
                    }
                  ],
                  "assign": "PartitionResult"
                }
              ],
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              "rules": [
                {
                  "conditions": [
                    {
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"booleanEquals",
                      "argv": [
                        {
                          "ref": "UseFIPS"
                        },
                        true
                      ]
                    },
                    {
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                      "argv": [
                        {
                          "ref": "UseDualStack"
                        },
                        true
                      ]
                    }
                  ],
                  "type": "tree",
                  "rules": [
                    {
                      "conditions": [
                        {

                "fn": "booleanEquals",
                            "argv": [
                              true,
                              {
                                "fn": "getAttr",
                                "argv": [
```

```
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]
                        }
                    ]
                },
                {
                    "fn": "booleanEquals",
                    "argv": [

true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {
                                    "ref": "PartitionResult"
                                },
                                "supportsDualStack"
                            ]
                        }
                    ]
                }
            ],
            "type": "tree",
            "rules": [
                {
                    "conditions": [],
                    "endpoint": {

    "url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ]
        },
        {
            "conditions": [],
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
            "type": "error"
        }
    ]
},
{
    "conditions": [
```

```
                {
                  "fn": "booleanEquals",

        "argv": [
                    {
                      "ref": "UseFIPS"
                    },
                    true
                  ]
                }
              ],
              "type": "tree",
              "rules": [
                {
                  "conditions": [
                    {
                      "fn": "booleanEquals",
                      "argv": [
                        true,
                        {
                          "fn": "getAttr",
                          "argv": [
                            {

"ref": "PartitionResult"
                            },
                            "supportsFIPS"
                          ]
                        }
                      ]
                    }
                  ],
                  "type": "tree",
                  "rules": [
                    {
                      "conditions": [],
                      "endpoint": {
                        "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                        "properties": {},
                        "headers": {}
                      },
                      "type": "endpoint"
                    }
                  ]
                },
                {
                  "conditions": [],
                  "error": "FIPS is enabled but this partition does not support FIPS",
```

```
                "type": "error"
              }
            ]
          },
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "type":
"tree",
            "rules": [
              {
                "conditions": [
                  {
                    "fn": "booleanEquals",
                    "argv": [
                      true,
                      {
                        "fn": "getAttr",
                        "argv": [
                          {
                            "ref": "PartitionResult"
                          },
                          "supportsDualStack"
                        ]
                      }
                    ]

  }
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
                      "properties": {},
                      "headers": {}
                    },
                    "type": "endpoint"
```

```
                        }
                      ]
                    },
                    {
                      "conditions": [],
                      "error": "DualStack is enabled but this partition does not support DualStack",

                  "type": "error"
                      }
                    ]
                  },
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
                      "properties": {},
                      "headers": {}
                    },
                    "type": "endpoint"
                  }
                ]
              }
            ]
        },
        {
          "conditions": [],
          "error": "Invalid Configuration: Missing Region",
          "type": "error"
        }
    ]
}
```


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* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlNamingStrategy.kt
* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlContextualInput.kt
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* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlScalarInput.kt
* /kaml-jvm-0-55-0-sources-jar/jvmMain/com/charleskorn/kaml/YamlNodeReader.kt
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* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlMapInput.kt
*
/kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/Yaml.kt
* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlNode.kt
* /kaml-jvm-0-55-0-sources-jar/jvmMain/com/charleskorn/kaml/Yaml.kt
* /kaml-jvm-0-55-0-sources-jar/jvmMain/com/charleskorn/kaml/YamlOutput.kt
* /kaml-jvm-0-55-0-sources-jar/commonMain/com/charleskorn/kaml/YamlException.kt

1.278 swiftpoet 1.3.1

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1.281 asm 9.7.1

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* /asm-9-7-1-sources-jar/org/objectweb/asm/Frame.java
*
/asm-9-7-1-sources-jar/org/objectweb/asm/ByteVector.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/Context.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/RecordComponentWriter.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/MethodWriter.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/ClassWriter.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/ClassReader.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/signature/SignatureReader.java
* /asm-9-7-1-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
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1.282 isodate 0.7.2

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1.283 jna 5.15.0

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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 'it.unimi.dsi.fastutil' to 'clover.it.unimi.dsi.fastutil'. This was necessary to
avoid potential name conflicts during instrumentation of a code using the original library when using Clover.
No source code of the original library was modified.
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==========
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jQuery v3.6.1

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No source code of the original library was modified.
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their package name from 'com.lowagie' to 'clover.com.lowagie'. This was necessary to
avoid potential name conflicts during instrumentation of a code using the original library when using Clover.
No source code of the original library was modified.

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Modified by Atlassian

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

==========

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jQuery UI v1.13.2

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```
/*
 File: Core.js

 Description:

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

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

 Some of the Basic utility functions and the Class system are based in the MooTools Framework
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1.287 jaraco-collections 5.1.0

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1.288 psycopg 2.9.10

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1.289 okio 3.9.1

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1.290 nimbus-jose-jwt 9.45

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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/LegacyConcatKDF.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/RSASSAProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/health/HealthStatus.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/CriticalHeaderParamsDeferral.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/JWTClaimsSetAwareJWSKeySelector.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/DefaultJWKSetCache.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/PasswordLookup.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/cache/CachedObject.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/RSA_OAEP_SHA2.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/KeyUtils.java
* /nimbus-jose-jwt-9-45-sources-
jar/com/nimbusds/jose/jwk/source/ReferenceComparisonRefreshJWKSetEvaluator.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/PRFParams.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/events/Event.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/DefaultJOSEObjectTypeVerifier.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/CompletableJWSObjectSigning.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/utils/ConstantTimeUtils.java
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/nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/AESCBC.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/AESEncrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/opts/AllowWeakRSAKey.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/IllegalHeaderException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/ActionRequiredForJWSCompletionException.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/cache/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/MultiCryptoProvider.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/JWKException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/IntegerOverflowException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/opts/UserAuthenticationRequired.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSSignerOption.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/BaseJWEProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/AESCryptoProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/ThumbprintURI.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/AlgorithmSupportMessage.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/AESKW.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/DirectCryptoProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/AuthenticatedCipherText.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/ECDSAProvider.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSObjectJSON.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/ECDHCryptoProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/OctetSequenceKey.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/RSAKey.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JOSEProcessorConfiguration.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/DefaultJWTProcessor.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/DefaultJOSEProcessor.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWEDecryptionKeySelector.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/JWKMatcher.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWSAlgorithmFamilyJWSKeySelector.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/RetryingJWKSetSource.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/JWKSetSource.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/JWKSetUnavailableException.java

* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/URLBasedJWKSetSource.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/CachingJWKSetSource.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/AbstractCachingJWKSetSource.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/JWKSetSourceWithHealthStatusReporting.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/OutageTolerantJWKSetSource.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/JWKSourceBuilder.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSHeader.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/IntegerUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JOSEException.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/PasswordBasedEncrypter.java

* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jca/JCASupport.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/BadJWSException.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/DateUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/Requirement.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/ThumbprintUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jca/JWEJCAContext.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/KeyUse.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWECryptoParts.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JOSEMatcher.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/KeyLengthException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/JWTParser.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/factories/DefaultJWEDecrypterFactory.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/ECDHDecrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/JWTProcessorConfiguration.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSVerifier.java
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 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/factories/DefaultJWSVerifierFactory.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/Header.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/PayloadTransformer.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/Algorithm.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/JWTProcessor.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/CriticalHeaderParamsAware.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/ImmutableJWKSet.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/MACVerifier.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/PlainJWT.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/AlgorithmFamily.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/SignedJWT.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/DeflateUtils.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/JSONArrayUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/KeySourceException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/Base64URL.java

* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/ECDSASigner.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/CompressionAlgorithm.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWEProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/BadJOSEException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/JWKSelector.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/ECParameterTable.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWSKeySelector.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/RSASSAVerifier.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/SecretJWK.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/RemoteJWKSet.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/EncryptionMethod.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JOSEProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/RSASSASigner.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/JWK.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/JSONObjectUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JOSEObjectJSON.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/AbstractJWKSelectorWithSource.java
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 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/BadJWEException.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/JWKMetadata.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/util/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSAlgorithm.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/KeyOperation.java
*
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jca/JCAContext.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/util/DateUtils.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/KeyException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSSigner.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/KeyType.java

* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWEObject.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/JWTClaimsSetTransformer.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/JWKSource.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/AbstractRestrictedResourceRetriever.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JOSEObjectType.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWEKeySelector.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/JWTClaimsSet.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/JWTClaimsSetVerifier.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/CommonSEHeader.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/source/ImmutableSecret.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jwk/AsymmetricJWK.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/DefaultResourceRetriever.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/KeyTypeException.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/EncryptedJWT.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JWSProvider.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWSVerifierFactory.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/PlainHeader.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/DirectEncrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/jca/JCAAware.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/proc/ConfigurableJWTProcessor.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jwt/JWT.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/SecurityContext.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/proc/JWEDecrypterFactory.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/ECDH1PUX25519Decrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/JSONSerializable.java
*
 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/ECDH1PU.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/impl/ECDH1PUCryptoProvider.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/ECDH1PUDecrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/util/Pair.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/mint/package-info.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/ECDH1PUX25519Encrypter.java
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* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/X25519Decrypter.java
* /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/Ed25519Verifier.java
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 /nimbus-jose-jwt-9-45-sources-jar/com/nimbusds/jose/crypto/Ed25519Signer.java

1.291 nimbus-jose-jwt 9.41.2

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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSObjectJSON.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/OutageTolerantJWKSetSource.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/RateLimitReachedException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/URLBasedJWKSetSource.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/JWKSetUnavailableException.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/Ed25519Verifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/JWKSet.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/X25519Decrypter.java
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/nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/Base64Codec.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWSVerificationKeySelector.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWEDecryptionKeySelector.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWSAlgorithmFamilyJWSKeySelector.java
*
/nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/DefaultJWTProcessor.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JOSEProcessorConfiguration.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/JWKMatcher.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/DefaultJOSEProcessor.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/OctetKeyPair.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/RSAKey.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/impl/ECDHCryptoProvider.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JOSEObjectTypeVerifier.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/RestrictedResourceRetriever.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWEHeader.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/JWKSelector.java
*
 /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/factories/DefaultJWSVerifierFactory.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/SignedJWT.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/PlainHeader.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSSigner.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/RemoteKeySourceException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/JWTClaimsSetTransformer.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/Base64.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JOSEProvider.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/ThumbprintUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/PlainJWT.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/AlgorithmFamily.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/factories/package-info.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/CompressionAlgorithm.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/KeyException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/Payload.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/MACVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JOSEObjectJSON.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/SecretJWK.java

* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/BadJWTException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/ECDHDecrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/JWT.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWEDecrypterFactory.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/RemoteJWKSet.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JOSEProcessor.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JOSEObject.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/JWTClaimsSetVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/MultiEncrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/BadJWEException.java
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 /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/RSASSAVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/AbstractRestrictedResourceRetriever.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/DirectDecrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JOSEObjectType.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/PasswordBasedDecrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWEKeySelector.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/CommonSEHeader.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/ByteUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/X25519Encrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/KeySourceException.java
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 /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/BadJOSEException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/SimpleSecurityContext.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jca/JWEJCAContext.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/RSADecrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSProvider.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWECryptoParts.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/RSASSASigner.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/ClockSkewAware.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWSKeySelector.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/AsymmetricJWK.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/ECDSASigner.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JOSEMatcher.java
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 /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/Base64URL.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/RSAEncrypter.java

* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/KeyType.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/KeyLengthException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/ECDSAVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/PlainObject.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/AbstractJWKSelectorWithSource.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/DefaultJWTClaimsVerifier.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/DirectEncrypter.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/JWK.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSObject.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/Algorithm.java
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/nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/JWTProcessorConfiguration.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/AESDecrypter.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/X509CertChainUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/ImmutableSecret.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/KeyConverter.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/KeyOperation.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/ConfigurableJOSEProcessor.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWEProvider.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JOSEException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/factories/DefaultJWEDecrypterFactory.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/DeflateUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/ArrayUtils.java
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/nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/StandardCharset.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/CriticalHeaderParamsAware.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWEAlgorithm.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWEObject.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/DateUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/JSONArrayUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/SecurityContext.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/util/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/EncryptionMethod.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/proc/JWTProcessor.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWSVerifierFactory.java

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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWEEncrypter.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/Requirement.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/KeyUse.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/JWTParser.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/source/ImmutableJWKSet.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/BigIntegerUtils.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jwt/EncryptedJWT.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/KeyTypeException.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jwk/package-info.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/jca/JCASupport.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/JWSHeader.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/BadJWSException.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/proc/JWKSecurityContext.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/util/events/EventListener.java
* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/impl/JWEHeaderValidation.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/mint/package-info.java
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* /nimbus-jose-jwt-9-41-2-sources-1-jar/com/nimbusds/jose/crypto/impl/ECDH1PUCryptoProvider.java
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1.292 packaging 24.2

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ASN.1 library for Python

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[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
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status](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg)](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml)
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Status](https://img.shields.io/codecov/c/github/pyasn1/pyasn1.svg)](https://codecov.io/github/pyasn1/pyasn1)
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blue.svg)](https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

NOTE:
The package is now maintained by *Christian Heimes* and
Simon Pichugin in project https://github.com/pyasn1/pyasn1.

Features
---

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Can operate on streams of serialized data
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 3.8+
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was

designed long ago by the wise Ancients. Back then, they did not
have the luxury of wasting bits. That is why ASN.1 is designed
to serialise data structures of unbounded complexity into
something compact and efficient when it comes to processing
the data.

That probably explains why many network protocols and file formats
still rely on the 30+ years old technology.
Including a number of
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
by Olivier Dubuisson is one of those high quality books freely
available on the Internet.

The pyasn1 package is designed to help Python programmers tackling
network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather
complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.
For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
 id       INTEGER,
 room  [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
  componentType = NamedTypes(
      NamedType('id', Integer()),
      OptionalNamedType(
          'room', Integer().subtype(
             implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
          )
      ),
      DefaultedNamedType(
          'house', Integer(0).subtype(
```

```
            implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        )
    )
  )
```

It is in the spirit of ASN.1 to take abstract data description
and turn it into a programming language specific form.
Once you have your ASN.1 data structure expressed in Python, you
can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

Part of the power of ASN.1 comes from its serialisation features. You
can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000:
 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
```

```
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,
list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1
classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321,
 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the
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How to get pyasn1

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If something does not work as expected,
[open an issue](https://github.com/epyasn1/pyasn1/issues) at GitHub or
post your question [on Stack Overflow](https://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/native/decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/streaming.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/native/encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/ber/encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/ber/decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/cer/encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/char.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/base.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_opentype.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_constraint.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/debug.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/ber/test_encoder.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/test_debug.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/ber/test_decoder.py

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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/setup.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/useful.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/opentype.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/base.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/cer/test_encoder.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/error.py
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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/test_streaming.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/__main__.py
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Metadata-Version: 2.1
Name: pyasn1
Version: 0.6.1
Summary: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
Home-page: https://github.com/pyasn1/pyasn1

Author: Ilya Etingof
Author-email: etingof@gmail.com
Maintainer: pyasn1 maintenance organization
Maintainer-email: Christian Heimes <christian@python.org>
License: BSD-2-Clause
Project-URL: Documentation, https://pyasn1.readthedocs.io
Project-URL: Source, https://github.com/pyasn1/pyasn1
Project-URL: Issues, https://github.com/pyasn1/pyasn1/issues
Project-URL: Changelog, https://pyasn1.readthedocs.io/en/latest/changelog.html
Platform: any
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: Education
Classifier: Intended Audience :: Information Technology
Classifier: Intended Audience :: System Administrators
Classifier: Intended Audience
:: Telecommunications Industry
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 3.8
Classifier: Programming Language :: Python :: 3.9
Classifier: Programming Language :: Python :: 3.10
Classifier: Programming Language :: Python :: 3.11
Classifier: Programming Language :: Python :: 3.12
Classifier: Programming Language :: Python :: 3.13
Classifier: Programming Language :: Python :: Implementation :: CPython
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Topic :: Communications
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Requires-Python: >=3.8
Description-Content-Type: text/markdown
License-File: LICENSE.rst

ASN.1 library for Python

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[![Build
status](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg)](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml)
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 Generic implementation of ASN.1 types (X.208)
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For example, the following ASN.1 data structure:

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 id       INTEGER,
 room  [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
  componentType = NamedTypes(
     NamedType('id', Integer()),
     OptionalNamedType(
        'room', Integer().subtype(
           implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        )
     ),
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     )
  )
```

It is in the spirit of ASN.1 to take abstract data description
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Once you have your ASN.1 data structure expressed in Python, you
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`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```

```
>>>
```

Part of the power of ASN.1 comes from its serialisation features. You
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```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from
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```python
>>> from pyasn1.codec.der.decoder import decode
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>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
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>>>
>>> record == received_record
True
>>> received_record.update(room=123)
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```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of

Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room':
 321, 'house': 0}, asn1Spec=Record())
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Record:
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or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1.egg-info/PKG-INFO

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[metadata]
name = pyasn1
version = attr: pyasn1.__version__
description = Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
long_description = file: README.md
long_description_content_type = text/markdown
license = BSD-2-Clause
license_files = LICENSE.rst
url = https://github.com/pyasn1/pyasn1
author = Ilya Etingof
author_email = etingof@gmail.com
maintainer = pyasn1 maintenance organization
maintainer_email = Christian Heimes <christian@python.org>
project_urls =
 Documentation=https://pyasn1.readthedocs.io
 Source=https://github.com/pyasn1/pyasn1
 Issues=https://github.com/pyasn1/pyasn1/issues
 Changelog=https://pyasn1.readthedocs.io/en/latest/changelog.html
platforms = any
classifiers =
 Development Status :: 5 - Production/Stable
 Environment :: Console
 Intended Audience :: Developers
 Intended Audience :: Education
 Intended Audience :: Information Technology
 Intended Audience :: System
 Administrators
 Intended Audience :: Telecommunications Industry
 License :: OSI Approved :: BSD License
 Natural Language :: English
 Operating System :: OS Independent
 Programming Language :: Python :: 3
 Programming Language :: Python :: 3.8
 Programming Language :: Python :: 3.9
 Programming Language :: Python :: 3.10
 Programming Language :: Python :: 3.11
 Programming Language :: Python :: 3.12
 Programming Language :: Python :: 3.13
 Programming Language :: Python :: Implementation :: CPython
 Programming Language :: Python :: Implementation :: PyPy

Topic :: Communications
Topic :: Software Development :: Libraries :: Python Modules

[options]
python_requires = >=3.8
zip_safe = True
setup_requires = setuptools
packages =
pyasn1
pyasn1.type
pyasn1.compat
pyasn1.codec
pyasn1.codec.ber
pyasn1.codec.cer
pyasn1.codec.der
pyasn1.codec.native

[egg_info]
tag_build =
tag_date = 0

Found in path(s):
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/setup.cfg

1.294 pycparser 2.22

1.294.1 Available under license :

pycparser -- A C parser in Python

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* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Priority.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WalProcessingOption.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Range.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/StdErrLogger.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionJobStats.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MemoryUtil.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Transaction.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractCompactionFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteBufferManager.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/HistogramData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/StateType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/SizeUnit.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TxnDBWritePolicy.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WALRecoveryMode.java

* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ChecksumType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/NativeComparatorWrapper.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ThreadType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/OptionsUtil.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ExternalFileIngestionInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractComparatorJniBridge.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ColumnFamilyHandle.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstPartitionerFactory.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionalDB.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractTransactionNotifier.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompressionOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BloomFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RateLimiterMode.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractEventListener.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/FilterPolicyType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstFileWriter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFileCreationInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFileCreationBriefInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractCompactionFilterFactory.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ThreadStatus.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksIteratorInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/FileOperationInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksIterator.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteStallCondition.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ReadOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksDBException.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Filter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractWriteBatch.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LogFile.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TtlDB.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AdvancedColumnFamilyOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/StatsLevel.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/IntComparator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFileCreationReason.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFormatConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Snapshot.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteBatchInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WalFileType.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/Options.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MemTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BlockBasedTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BackgroundErrorReason.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Experimental.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionJobInfo.java

* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksEnv.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractComparator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableColumnFamilyOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstFileReader.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFileDeletionInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ClockCache.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/PlainTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionStyle.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/EventListener.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/OperationType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksDB.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactRangeOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/StatisticsCollectorCallback.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableDBOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionDBOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AdvancedMutableColumnFamilyOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksMemEnv.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Slice.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteBatch.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Env.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/KeyMayExist.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/IndexType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractRocksIterator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BuiltinComparator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/ReverseBytewiseComparator.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/RestoreOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Checkpoint.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteBatchWithIndex.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/OptionString.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionPriority.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/FlushJobInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionReason.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ColumnFamilyOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/OptimisticTransactionDB.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Statistics.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/IngestExternalFileOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionDB.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/EncodingType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/DirectSlice.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/DbPath.java
*
/rocksdbjni-9-7-3-sources-jar/org/rocksdb/ComparatorOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LRUCache.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionalOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/DBOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/StatisticsCollector.java

* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/DataBlockIndexType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ColumnFamilyMetaData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BackupInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/IndexShorteningMode.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ColumnFamilyDescriptor.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/FlushOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksCallbackObject.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractWalFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstFileReaderIterator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/FlushReason.java
*
 /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LiveFileMetaData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/BytewiseComparator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstPartitionerFixedPrefixFactory.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TraceOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ReadTier.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksObject.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionOptionsUniversal.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MemTableInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableColumnFamilyOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractSlice.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/StatsCollectorInput.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BackupEngine.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/OperationStage.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TraceWriter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/HistogramType.java
*
 /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractTraceWriter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ComparatorType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WriteStallInfo.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ReusedSynchronisationType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/BackupEngineOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Logger.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstFileMetaData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WalFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompressionType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TickerType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MemoryUsageType.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SstFileManager.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionOptionsFIFO.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/EnvOptions.java
*
 /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Cache.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/DBOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/OptimisticTransactionOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Status.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/WBWIRocksIterator.java

* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LevelMetaData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TimedEnv.java
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* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MergeOperator.java
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* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/PerfLevel.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ByteBufferGetStatus.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/PerfContext.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/ByteUtil.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ConfigOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ConcurrentTaskLimiter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ImportColumnFamilyOptions.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SanityLevel.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TablePropertiesCollectorFactory.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/HyperClockCache.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ConcurrentTaskLimiterImpl.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/ExportImportFilesMetaData.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/BufferUtil.java
*
 /rocksdbjni-9-7-3-sources-jar/org/rocksdb/GetStatus.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/PrepopulateBlobCache.java
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* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SizeApproximationFlag.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/CompactionStopStyle.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/HashSkipListMemTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableDBOptionsInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableOptionKey.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TransactionLogIterator.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/NativeLibraryLoader.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/HashLinkedListMemTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/InfoLogLevel.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/SkipListMemTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/MutableOptionValue.java

* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableProperties.java
*
 /rocksdbjni-9-7-3-sources-jar/org/rocksdb/VectorMemTableConfig.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/util/Environment.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/TableFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractTableFilter.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractMutableOptions.java
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* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LoggerInterface.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractNativeReference.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/AbstractImmutableNativeReference.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/RocksMutableObject.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/Holder.java
* /rocksdbjni-9-7-3-sources-jar/org/rocksdb/LoggerType.java

1.305 protobuf-java-util 3.25.5

1.305.1 Available under license :

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Manifest-Version: 1.0
Automatic-Module-Name: com.google.protobuf.util
Bnd-LastModified: 1726689423746
Bundle-Description: Utilities for Protocol Buffers
Bundle-DocURL: https://developers.google.com/protocol-buffers/
Bundle-License: https://opensource.org/licenses/BSD-3-Clause
Bundle-ManifestVersion: 2
Bundle-Name: Protocol Buffers [Util]
Bundle-SymbolicName: com.google.protobuf.util
Bundle-Version: 3.25.5
Export-Package: com.google.protobuf.util;version="3.25.5";uses:="com.goo
gle.protobuf,javax.annotation"
Import-Package: com.google.common.base;version="[32.0,33)",com.google.co
mmon.io;version="[32.0,33)",com.google.common.math;version="[32.0,33)",
com.google.common.primitives;version="[32.0,33)",com.google.gson;versio
n="[2.8,3)",com.google.gson.stream;version="[2.8,3)",com.google.protobu
f,javax.annotation;version="[3.0,4)",sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool:
 Bnd-6.4.0.202211291949
Created-By: mergejars

Found in path(s):
* /protobuf-java-util-3-25-5-jar/META-INF/MANIFEST.MF

1.306 grpc-core 1.68.1

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Found in path(s):
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/DelayedClientCall.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ManagedChannelImplBuilder.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SquelchLateMessagesAvailableDeframerListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerImplBuilder.java
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Found in path(s):
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
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*/
```

Found in path(s):
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/LongCounter.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Deframer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/TimeProvider.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/TransportTracer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/RetriableStream.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/ReflectionLongAdderCounter.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Framer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AtomicBackoff.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ProxyDetectorImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/LongCounterFactory.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/CallTracer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ApplicationThreadDeframer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingNameResolver.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/KeepAliveEnforcer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/MaxConnectionIdleManager.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/GzipInflatingBuffer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/FixedObjectPool.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AtomicLongCounter.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/GrpcAttributes.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingManagedChannel.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/JndiResourceResolverFactory.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Rescheduler.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/PickFirstLoadBalancerProvider.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ChannelLoggerImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/HedgingPolicy.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingClientStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ChannelTracer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServiceConfigUtil.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/JsonParser.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/RetryPolicy.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingClientStreamListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerCallInfoImpl.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingClientStreamTracer.java

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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/MetricRecorderImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SpiffeUtil.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/PickDetailsConsumerImpl.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/NoopClientStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/WritableBuffer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/InternalSubchannel.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/DelayedClientTransport.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/WritableBufferAllocator.java
*

/grpc-core-1-68-1-sources-jar/io/grpc/internal/ContextRunnable.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/InternalServer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ExponentialBackoffPolicy.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Http2Ping.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/PickFirstLoadBalancer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/DnsNameResolverProvider.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/DnsNameResolver.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/BackoffPolicy.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/DelayedStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/package-info.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerCallImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerTransport.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/RetryingNameResolver.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/RetryScheduler.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/PickFirstLeafLoadBalancer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/NameResolverFactoryToProviderFacade.java
*
/grpc-core-1-68-1-sources-jar/io/grpc/internal/BackoffPolicyRetryScheduler.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ClientTransport.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/LogExceptionRunnable.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ManagedChannelImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SubchannelChannel.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/ConnectivityStateManager.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ManagedClientTransport.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/OobChannel.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AbstractSubchannel.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SharedResourcePool.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/StatsTraceContext.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ConnectionClientTransport.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/InternalHandlerRegistry.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/InUseStateAggregator.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingConnectionClientTransport.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/FailingClientStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/FailingClientTransport.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/KeepAliveManager.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ObjectPool.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ApplicationThreadDeframerListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/JsonUtil.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ScParser.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/TransportProvider.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ConscryptLoader.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServiceConfigState.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingDeframerListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/InsightBuilder.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ManagedChannelServiceConfig.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ThreadOptimizedDeframer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/MigratingThreadDeframer.java
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* /grpc-core-1-68-1-sources-jar/io/grpc/internal/TransportFrameUtil.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Http2ClientStreamTransportState.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ReadableBuffers.java
*
 /grpc-core-1-68-1-sources-jar/io/grpc/internal/AbstractStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/StreamListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ForwardingReadableBuffer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ClientStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SerializingExecutor.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/SharedResourceHolder.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ClientCallImpl.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ClientStreamListener.java

* /grpc-core-1-68-1-sources-jar/io/grpc/internal/MessageFramer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AbstractClientStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/GrpcUtil.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ClientTransportFactory.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerImpl.java
*
/grpc-core-1-68-1-sources-jar/io/grpc/internal/MessageDeframer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerTransportListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/AbstractServerStream.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ReadableBuffer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/ServerStreamListener.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/CompositeReadableBuffer.java
* /grpc-core-1-68-1-sources-jar/io/grpc/internal/Stream.java

1.307 grpc-api 1.68.1

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1.310 lz4 1.10.0-r0

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1.320 itsdangerous 2.2.0

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1.321 markupsafe 3.0.2

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1.322 error_prone_annotations 2.28.0

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* /error-prone-annotations-2-28-0-3-jar/META-INF/maven/com.google.errorprone/error_prone_annotations/pom.xml
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Manifest-Version: 1.0
Created-By: Maven JAR Plugin 3.2.2
Build-Jdk-Spec: 17
Multi-Release: true
Bundle-Description: Error Prone is a static analysis tool for Java that
catches common programming mistakes at compile-time.
Bundle-DocURL: https://errorprone.info/error_prone_annotations
Bundle-License: "Apache 2.0";link="http://www.apache.org/licenses/LICENS
E-2.0.txt"
Bundle-ManifestVersion: 2
Bundle-Name: error-prone annotations
Bundle-SCM: url="https://github.com/google/error-prone/error_prone_annot
ations",connection="scm:git:https://github.com/google/error-prone.git/e
rror_prone_annotations",developer-connection="scm:git:git@github.com:go
ogle/error-prone.git/error_prone_annotations",tag=HEAD
Bundle-SymbolicName: com.google.errorprone.annotations
Bundle-Vendor: Google LLC
Bundle-Version: 2.28.0
Export-Package: com.google.errorprone.annotations;uses:="javax.lang.mode
l.element";version="2.28.0",com.google.errorprone.annotations.concurren
t;version="2.28.0"
Import-Package: javax.lang.model.element
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

Found in path(s):
* /error-prone-annotations-2-28-0-3-jar/META-INF/MANIFEST.MF

1.323 jose4j 0.9.6

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* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/HttpsJwks.java
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Found in path(s):
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/InvalidKeyException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/SelectorSupport.java

* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/DecryptionJwkSelector.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/SimpleJwkFilter.java
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* /jose4j-0-9-6-sources-2-jar/org/jose4j/base64url/internal/apache/commons/codec/binary/BaseNCodec.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/base64url/internal/apache/commons/codec/binary/Base64.java
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* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunction.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/KdfUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/ConcatenationKeyDerivationFunctionWithSha256.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunctionFactory.java

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```
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/JsonWebEncryption.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/EcdhKeyAgreementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/zip/CompressionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmFactory.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/KeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/BouncyCastleProviderHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/KeyValidationSupport.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/HeaderParameterNames.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/ErrorCodeValidator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/Algorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/RsaKeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/http/Get.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/UnresolvableKeyException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/JsonWebKeySet.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/Headers.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/RsaJwkGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/EcdsaUsingShaAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/ReservedClaimNames.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/Validator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/IssValidator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jca/ProviderContext.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/AlgorithmIdentifiers.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/KeyOperations.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/mac/MacUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionKeys.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/DecryptionKeyResolver.java
```

* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/CipherStrengthSupport.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/IntDate.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/Pbes2HmacShaWithAesKeyWrapAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/MalformedClaimException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/IntegrityException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/base64url/SimplePEMEncoder.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/CompactSerializer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/ExceptionHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/BaseSignatureAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/EllipticCurves.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/X509Util.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/SubValidator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/KeyPersuasion.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/HmacKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/PbkdfKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/AesKeyWrapManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/OctJwkGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/RsaJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/zip/DeflateRFC1951CompressionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/PublicJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/AesCbcHmacSha2ContentEncryptionAlgorithm.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/VerificationKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/json/JsonUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/RsaUsingShaAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/SimpleKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/DefaultByteGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/BigEndianBigInteger.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/AesGcmKeyEncryptionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/JsonWebSignatureAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwtContext.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/JsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/JsonWebStructure.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionParts.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/NumericDateValidator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/JwtClaims.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JweCustomizer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmAvailability.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/ErrorCodeValidatorAdapter.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/KeyPairUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/ErrorCodes.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwx/CompactSerialization.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/JsonHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/kdf/PasswordBasedKeyDerivationFunction2.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/RsaKeyUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/InvalidAlgorithmException.java

* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/HttpsJwksVerificationKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionKeyDescriptor.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/EcKeyUtil.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/base64url/Base64Url.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/Use.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JtiValidator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/JwksVerificationKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionAlgorithmIdentifiers.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/AesGcmContentEncryptionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/GeneralJwtException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmConstraints.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/HmacUsingShaAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/JwksDecryptionKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/AesKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/ByteUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/UncheckedJoseException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmInfo.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwtConsumer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/InitializationVectorHelp.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwtConsumerBuilder.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/OctetSequenceJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/InvalidJwtException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/JoseException.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/json/JsonHeaderUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/WrappingKeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/EcdhKeyAgreementWithAesKeyWrapAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/EcJwkGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/ByteGenerator.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/keys/resolvers/X509VerificationKeyResolver.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/CipherUtil.java
*
 /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/EllipticCurveJsonWebKey.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/http/SimpleGet.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwk/VerificationJwkSelector.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/DirectKeyManagementAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/NumericDate.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/zip/CompressionAlgorithmIdentifiers.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/StringUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/ContentEncryptionAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/UnsecuredNoneAlgorithm.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/SimpleAeadCipher.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/JwsCustomizer.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jws/JsonWebSignature.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/lang/HashUtil.java
* /jose4j-0-9-6-sources-2-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java

*
/jose4j-0-9-6-sources-2-jar/org/jose4j/jwt/consumer/AudValidator.java

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1.325 pyjwt 2.10.1

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1.326 distro 1.9.0

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1.327 msgpack 1.1.0

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1.328 azure-json 1.1.0

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1.329 kotlin-reflect 1.9.25-release-852

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1.330 spring-retry 2.0.6

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1.332 byte-buddy 1.14.18

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1.333 distlib 0.3.9

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

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

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

Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes

3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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

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distlib has started off using some of the code from distutil2.

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1.334 animal-sniffer-annotation 1.24

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1.335 auto-value-annotations 1.11.0

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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/ExtensionClassTypeSpecBuilder.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/Annotations.java
*
/auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/ToPrettyStringMethods.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoBuilderProcessor.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/BuilderMethodClassifierForAutoValue.java

* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/ClassNames.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/Nullables.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoBuilderTemplateVars.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/ToPrettyStringExtension.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/processor/ToPrettyStringValidator.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/BuilderMethodClassifierForAutoBuilder.java
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/auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/toprettystring/ToPrettyString.java
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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/Optionalish.java
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*/
/**
 * Specifies that AutoValue should copy any annotations from the annotated element to the
 * generated class. This annotation supports classes and methods.
 *
 * <p>The following annotations are excluded:
 *
 * <ol>
 *   <li>AutoValue and its nested annotations;
 *   <li>any annotation appearing in the {@link AutoValue.CopyAnnotations#exclude}
field;
 *   <li>any class annotation which is itself annotated with the {@link
 *       java.lang.annotation.Inherited} meta-annotation.
 * </ol>
 *
 * <p>For historical reasons, annotations are always copied from an {@code @AutoValue} property
 * method to its implementation, unless {@code @CopyAnnotations} is present and explicitly
 * {@linkplain CopyAnnotations#exclude excludes} that annotation. But annotations are not copied
 * from the {@code @AutoValue} class itself to its implementation unless {@code @CopyAnnotations}
 * is present.
 *
 * <p>If you want to copy annotations from your {@literal @}AutoValue-annotated class's methods to
 * the generated fields in the AutoValue_... implementation, annotate your method
 * with {@literal @}AutoValue.CopyAnnotations. For example, if Example.java is:<pre>
 *
 *   {@code @}Immutable
 *   {@code @}AutoValue
 *   abstract class Example {
 *     {@code @}CopyAnnotations
 *     {@code
@}SuppressWarnings("Immutable") // justification ...
 *     abstract Object getObject();
 *     // other details ...
 *   }</pre>
 *
 * <p>Then AutoValue will generate the following AutoValue_Example.java:<pre>
 *
 *   final class AutoValue_Example extends Example {
 *     {@code @}SuppressWarnings("Immutable")
 *     private final Object object;
 *
 *     {@code @}SuppressWarnings("Immutable")
 *     {@code @}Override
 *     Object getObject() {
 *       return object;
```

```
 *     }
 *
 *     // other details ...
 *   }</pre>
 *
 * <p>When the <i>type</i> of an {@code @AutoValue} property method has annotations, those are
 * part of the type, so by default they are copied to the implementation of the method. But if
 * a type annotation is mentioned in {@code exclude} then it is not copied.
 *
 * <p>For example, suppose {@code @Confidential} is a
 * {@link java.lang.annotation.ElementType#TYPE_USE TYPE_USE} annotation:
 *
 * <pre>
 *
 *   {@code @}AutoValue
 *   abstract class Person {
 *     static Person create({@code @}Confidential String name, int id) {
 *       return new AutoValue_Person(name, id);
 *     }
 *
 *     abstract {@code @}Confidential String name();
 *     abstract int id();
 *   }</pre>
 *
 * Then the implementation of the {@code name()} method will also have return type
 * {@code @Confidential String}. But if {@code name()} were written like this...
 *
 * <pre>
 *
 *     {@code @AutoValue.CopyAnnotations(exclude = Confidential.class)}
 *     abstract {@code @}Confidential String name();</pre>
 *
 * <p>...then the implementation of {@code name()} would have return type {@code String} without
 * the annotation.
 *
 * @author Carmi Grushko
 */
```

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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/ClassNames.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoOneOfProcessor.java
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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoValueishTemplateVars.java
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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoAnnotationTemplateVars.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoValueBuilderProcessor.java
*
/auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/GwtCompatibility.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/MissingTypes.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/TemplateVars.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AutoAnnotationProcessor.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/TypeMirrorSet.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/Reformatter.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/AbortProcessingException.java
* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/BuilderSpec.java

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* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/processor/Executable.java
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jar/com/google/auto/value/extension/serializable/serializer/impl/ImmutableListSerializerExtension.java
* /auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/serializer/SerializerFactoryLoader.java
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/auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/processor/PropertyMirror.java
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jar/com/google/auto/value/extension/serializable/serializer/interfaces/Serializer.java
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jar/com/google/auto/value/extension/serializable/serializer/interfaces/SerializerFactory.java
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jar/com/google/auto/value/extension/serializable/serializer/runtime/FunctionWithExceptions.java
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jar/com/google/auto/value/extension/serializable/serializer/interfaces/SerializerExtension.java
* /auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/serializer/impl/IdentitySerializerFactory.java
* /auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/serializer/impl/OptionalSerializerExtension.java
*
/auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/processor/SerializableAutoValueExtension.java
* /auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/serializer/impl/ImmutableMapSerializerExtension.java
* /auto-value-annotations-1-11-0-sources-1-
jar/com/google/auto/value/extension/serializable/processor/ClassNames.java

* /auto-value-annotations-1-11-0-sources-1-jar/com/google/auto/value/extension/serializable/serializer/impl/SerializerFactoryImpl.java

1.336 oauth2-oidc-sdk 10.7.1

1.336.1 Available under license :

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```
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* oauth2-oidc-sdk
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* specific language governing permissions and limitations under the License.
*/
/**
* OpenID Connect client information. Encapsulates the registration and
* metadata details of an OpenID Connect client:
*
* <ul>
*     <li>The client identifier.
*     <li>The client OpenID Connect metadata.
*     <li>The optional client secret for a confidential client.
*
  <li>The optional registration URI and access token if dynamic client
*         registration is permitted.
* </ul>
*
* <p>Related specifications:
*
* <ul>
*     <li>OpenID Connect Dynamic Client Registration 1.0.
*     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
*         3.2.1.
*     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
*         7592), section 3.
* </ul>
*/
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientInformation.java
No license file was found, but licenses were detected in source scan.

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*/

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/BadJWTExceptions.java
No license file was found, but licenses were detected in source scan.

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* oauth2-oidc-sdk
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*/

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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/AuthRequestID.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/WellKnownPathComposeStrategy.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityStatement.java
*

/oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/api/FederationAPIError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/ClaimsSetRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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/oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/ResolveException.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/DefaultPolicyOperationCombinationValidator.ja
va
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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*
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/registration/package-
info.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/api/ResolveSuccessResponse.java
*

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jar/com/nimbusds/openid/connect/sdk/rp/statement/SoftwareStatementProcessor.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/DefaultDPoPProofFactory.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/marks/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChain.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/DPoPUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/EntityIDConstraint.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChainRetriever.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/DPoPProofFactory.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityRole.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingErrorResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/MetadataPolicy.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/RPMetadataPolicyFactory.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/api/ResolveResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityType.java
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jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/PolicyOperationFactory.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/package-
info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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*
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jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/ExactMatchEntityIDConstraint.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/OIDCClaimsRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-

jar/com/nimbusds/openid/connect/sdk/federation/api/FetchEntityStatementSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/constraints/package-info.java
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/oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/api/EntityListingResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/PolicyOperationApplication.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/trust/TrustChainSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/rp/statement/InvalidSoftwareStatementException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/trust/EntityMetadataValidator.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/EndpointName.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/OIDCProviderMetadata.java
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```

Found in path(s):

* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/DocumentNumber.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/Digest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/EmbeddedAttachment.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/ListUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/http/HTTPRequestConfigurator.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/VerificationMethodType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ReferenceNumber.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/singleuse/SingleUseChecker.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ValidationMethod.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/AttachmentType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/ReadOnlyOIDCProviderEndpointMetadata.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/IdentityAssuranceProcess.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/utils/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAHintType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/CommonMethodAttributes.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/request/MinimalVerificationSpec.java
* /oauth2-oidc-sdk-10-7-1-sources-1-

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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/NAAccessToken.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBATokenDelivery.java
*
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAPushCallback.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/Status.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/utils/JWTUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPProofClaimsSetVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/InvalidDPoPProofException.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/request/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/singleuse/AlreadyUsedException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBARequestAcknowledgement.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Name.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/tokenexchange/package-info.java
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* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPKeySelector.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/JWKThumbprintConfirmation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/api/ResolveClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Jurisdiction.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/AccessTokenUtils.java
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*

/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPIssuer.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/singleuse/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Organization.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
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jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_1AlphaCountryCodeMapper.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPTokenRequestVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/entities/CommonFederationClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/oauth2/sdk/dpop/verifiers/AccessTokenValidationException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/Procedure.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAErrorDelivery.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/claims/MSISDN.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/DocumentIssuer.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Voucher.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPCommonVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ElectronicRecordSource.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/dpop/verifiers/DPoPProofContext.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/request/VerificationSpec.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAPingCallback.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/Content.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Occupation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/DigestMismatchException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/ExternalAttachment.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBASignedRequestClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/attachment/HashAlgorithm.java
No license file was found, but licenses were detected in source scan.

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* oauth2-oidc-sdk
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* Unless required by applicable law or agreed to in writing, software distributed
* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
  * Creates a new authenticated pushed authorisation request for a
  * confidential client.
  *
  * @param uri          The URI of the token endpoint. May be
  *                     {@code null} if the {@link #toHTTPRequest}
  *                     method will not be used.
  * @param clientAuth
   The client authentication. Must not be
  *                     {@code null}.
  * @param authzRequest The authorisation request. Must not be
  *                     {@code null}.
  */
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/PushedAuthorizationRequest.java
No license file was found, but licenses were detected in source scan.

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* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
* Client information. Encapsulates the registration and metadata details of
* an OAuth 2.0 client:
*
* <ul>
*     <li>The client identifier.
```

```
*     <li>The client metadata.
*     <li>The optional client secret for a confidential client.
*     <li>The optional registration URI
 and access token if dynamic client
*        registration is permitted.
* </ul>
*
* <p>Related specifications:
*
* <ul>
*     <li>OAuth 2.0 Dynamic Client Registration Protocol (RFC 7591), section
*         3.2.1.
*     <li>OAuth 2.0 Dynamic Client Registration Management Protocol (RFC
*         7592), section 3.
* </ul>
*/
// The client must by unambiguously public, else it is marked as confidential
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientInformation.java
No license file was found, but licenses were detected in source scan.

```
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* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
  * Confidential. Clients capable of maintaining the confidentiality of
  * their credentials (e.g., client implemented on a secure server with
  * restricted access to the client credentials), or capable of secure
  * client authentication using other means.
  */
/**
  * Public. Clients
 incapable of maintaining the confidentiality of their
  * credentials (e.g., clients executing on the device used by the
```

```
 * resource owner, such as an installed native application or a web
 * browser-based application), and incapable of secure client
 * authentication via any other means.
 */
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientType.java
No license file was found, but licenses were detected in source scan.

```
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* oauth2-oidc-sdk
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* under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
* Token revocation request. Used to revoke an issued access or refresh token.
*
* <p>Example token revocation request for a confidential client:
*
* <pre>
* POST /revoke HTTP/1.1
* Host: server.example.com
* Content-Type: application/x-www-form-urlencoded
* Authorization: Basic
 czZCaGRSa3F0MzpnWDFmQmF0M2JW
*
* token=45ghiukldjahdnhzdauz&amp;token_type_hint=refresh_token
* </pre>
*
* <p>Example token revocation request for a public client:
*
* <pre>
* POST /revoke HTTP/1.1
* Host: server.example.com
* Content-Type: application/x-www-form-urlencoded
*
* token=45ghiukldjahdnhzdauz&amp;token_type_hint=refresh_token&amp;client_id=123456
```

```
* </pre>
*
* <p>Related specifications:
*
* <ul>
*     <li>OAuth 2.0 Token Revocation (RFC 7009), section 2.1.
* </ul>
*/
/**
  * Creates a new token revocation request for a confidential client.
  *
  * @param uri        The URI of the token revocation endpoint. May be
  *                   {@code null} if the {@link #toHTTPRequest} method
  *                   will not be used.
  * @param clientAuth The client authentication. Must not be
  *                   {@code null}.
  * @param token      The access or refresh token to revoke. Must not be
  *                   {@code null}.
  */
// confidential client
```

Found
in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/TokenRevocationRequest.java
No license file was found, but licenses were detected in source scan.

<name>Apache License, version 2.0</name>

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/META-INF/maven/com.nimbusds/oauth2-oidc-sdk/pom.xml
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```
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* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/StringListOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/ACRRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/IDTokenClaimsVerifier.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/StringOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/token/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/InvalidHashException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ResourceOwnerPasswordCredentialsGrant.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/PlainClientSecret.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/IDTokenClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/MapUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/id/HashBasedPairwiseSubjectCodec.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientRegistrationRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/AuthorizedParty.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientUpdateRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientInformationResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AssertionGrant.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/SoftwareVersion.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ElectronicRecordDetails.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/language/PolicyConfiguration.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationCode.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/OneOfOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/CodeHash.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/id/package-info.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/BackChannelTokenDeliveryMode.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/CommonClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/AuthenticationRequestDetector.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/verifier/ClientX509CertificateBindingVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IDDocumentEvidence.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/as/AuthorizationServerConfigurationRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/saml2/SAML2AssertionDetails.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AbstractRequest.java
*

/oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IDDocumentType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/config/FederationEntityConfigurationResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientReadRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/AbstractJWTValidator.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/PushedAuthorizationSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/UserInfoSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/BooleanConfiguration.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/rp/ApplicationType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/AMR.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/OIDCProviderEndpointMetadata.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/ClientAuthenticationMethod.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/as/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/jwt/JWTAssertionDetails.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/JWTClaimsSetUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/as/AuthorizationServerMetadata.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/http/JakartaServletUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/PolicyOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/NumberConfiguration.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/claims/Birthplace.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/factories/PolicyFormulationException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientMetadata.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IDDocumentDescription.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/claims/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/Nonce.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/AddOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/secevent/sdk/claims/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/pkce/package-info.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/Scope.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/TokenIntrospectionSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/http/ServletUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/VouchType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/ClientAuthentication.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientCredentialsParser.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/Address.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/BearerAccessToken.java

* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/SAML2BearerGrant.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/verifier/ClientAuthenticationVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/jarm/package-info.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/oauth2/sdk/assertions/saml2/BadSAML2AssertionException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/JSONArrayUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/ClientSecretPost.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/RegistrationError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ciba/CIBAGrant.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationErrorResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/ClaimType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/trust/marks/TrustMarkClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/assurance/evidences/Attestation.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/jarm/JARMValidator.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/HashClaim.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/date/DateWithTimeZoneOffset.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/JWTID.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/Display.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/pkce/CodeChallengeMethod.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/DocumentEvidence.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AbstractAuthenticatedRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientUpdateRequest.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/op/ResolveException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/jwt/JWTAssertionDetailsVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/entities/EntityStatementClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/ValueOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IdentityEvidenceType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/tls/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/saml2/SAML2Utils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/Identifier.java
*
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/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/date/SimpleDate.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/JSONUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/ElectronicRecordEvidence.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/rp/OIDCClientRegistrationResponseParser.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ResponseType.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/BearerTokenError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/ErrorResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/ContentTypeUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/secevent/sdk/claims/TXN.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/token/OIDCTokens.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/DefaultOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/JWTAuthentication.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/CollectionUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/SerializeException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/verifier/Context.java

* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/UserInfoRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/http/HTTPMessage.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/device/DeviceAuthorizationGrantError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/OAuth2Error.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/RequestObjectPOSTSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/DPoPAccessToken.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/saml2/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/URIUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/date/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/api/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/ClaimsSet.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/package-info.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/assertions/jwt/JWTAssertionFactory.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationGrant.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/AuthorizationRequest.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/ClaimsTransport.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/device/DeviceCode.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/Utils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/client/ClientRegistrationErrorResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/AuthenticationSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/tls/TLSVersion.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/util/ResourceUtils.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/auth/verifier/InvalidClientException.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/Tokens.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/validators/StateValidator.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/ACR.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/language/OperationName.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/token/DPoPTokenError.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/evidences/IdentityEvidence.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/Prompt.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/pkce/CodeVerifier.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/federation/policy/operations/EssentialOperation.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_1AlphaCountryCode.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/SessionID.java
*
/oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/TokenErrorResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/device/DeviceAuthorizationResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/openid/connect/sdk/claims/PersonClaims.java
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/id/SoftwareID.java
* /oauth2-oidc-sdk-10-7-1-sources-1-

jar/com/nimbusds/oauth2/sdk/device/DeviceAuthorizationSuccessResponse.java
* /oauth2-oidc-sdk-10-7-1-sources-1-
jar/com/nimbusds/openid/connect/sdk/assurance/claims/ISO3166_1Alpha2CountryCode.java
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```
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* CONDITIONS OF ANY KIND, either express or implied. See the License for the
* specific language governing permissions and limitations under the License.
*/
/**
  * Authorisation code. Client authentication required only for
  * confidential clients.
  */
/**
  * Refresh token. Client authentication required only for confidential
  * clients.
  */
/**
  * Password. Client authentication required only for confidential
  * clients.
  */
```

Found in
 path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/GrantType.java
No license file was found, but licenses were detected in source scan.

```
/*
* oauth2-oidc-sdk
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*/
/**
 * Creates a new request object POST request where the parameters are
 * submitted as plain JSON object, and the client authenticates by
 * means of mutual TLS. TLS also ensures the integrity and
 * confidentiality of the request parameters. This method is not
 * standard.
 *
 *
@param uri              The URI of the request object endpoint. May
 *                      be {@code null} if the
 *                      {@link #toHTTPRequest} method will not be
 *                      used.
 * @param tlsClientAuth    The mutual TLS client authentication. Must
 *                      not be {@code null}.
 * @param requestJSONObject The request parameters as plain JSON
 *                      object. Must not be {@code null}.
 */
```

Found in path(s):
* /oauth2-oidc-sdk-10-7-1-sources-1-jar/com/nimbusds/oauth2/sdk/RequestObjectPOSTRequest.java

1.337 mock 1.6.0

1.337.1 Available under license :

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1.338 proto-google-common-protos 2.29.0

1.338.1 Available under license :

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* /proto-google-common-protos-2-29-0-1-jar/google/type/interval.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/quaternion.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/calendar_period.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/month.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/distribution.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/field_info.proto
* /proto-google-common-protos-2-29-0-1-jar/google/logging/type/http_request.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/date.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/monitoring.proto
*
/proto-google-common-protos-2-29-0-1-jar/google/api/source_info.proto
* /proto-google-common-protos-2-29-0-1-jar/google/rpc/code.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/billing.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/http.proto
* /proto-google-common-protos-2-29-0-1-jar/google/cloud/extended_operations.proto
* /proto-google-common-protos-2-29-0-1-jar/google/rpc/context/attribute_context.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/fraction.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/error_reason.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/endpoint.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/routing.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/postal_address.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/timeofday.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/consumer.proto
* /proto-google-common-protos-2-29-0-1-jar/google/geo/type/viewport.proto
*
/proto-google-common-protos-2-29-0-1-jar/google/rpc/context/audit_context.proto
* /proto-google-common-protos-2-29-0-1-jar/google/rpc/status.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/decimal.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/config_change.proto

* /proto-google-common-protos-2-29-0-1-jar/google/api/monitored_resource.proto
* /proto-google-common-protos-2-29-0-1-jar/google/longrunning/operations.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/context.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/backend.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/latlng.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/system_parameter.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/visibility.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/httpbody.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/metric.proto
* /proto-google-common-protos-2-29-0-1-jar/google/logging/type/log_severity.proto
*
/proto-google-common-protos-2-29-0-1-jar/google/type/color.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/usage.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/expr.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/dayofweek.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/logging.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/service.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/datetime.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/label.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/annotations.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/log.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/policy.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/phone_number.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/client.proto
* /proto-google-common-protos-2-29-0-1-jar/google/cloud/audit/audit_log.proto
*
/proto-google-common-protos-2-29-0-1-jar/google/api/control.proto
* /proto-google-common-protos-2-29-0-1-jar/google/cloud/location/locations.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/resource.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/field_behavior.proto
* /proto-google-common-protos-2-29-0-1-jar/google/rpc/error_details.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/quota.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/money.proto
* /proto-google-common-protos-2-29-0-1-jar/google/type/localized_text.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/documentation.proto
* /proto-google-common-protos-2-29-0-1-jar/google/api/auth.proto
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* /proto-google-common-protos-2-29-0-1-jar/google/api/launch_stage.proto

1.339 error_prone_annotations 2.23.0

1.339.1 Available under license :

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Manifest-Version: 1.0
Created-By: Maven JAR Plugin 3.2.2
Build-Jdk-Spec: 17
Automatic-Module-Name: com.google.errorprone.annotations
Bundle-Description: Error Prone is a static analysis tool for Java that
catches common programming mistakes at compile-time.
Bundle-DocURL: https://errorprone.info/error_prone_annotations
Bundle-License: "Apache 2.0";link="http://www.apache.org/licenses/LICENS
E-2.0.txt"
Bundle-ManifestVersion: 2
Bundle-Name: error-prone annotations
Bundle-SCM: url="https://github.com/google/error-prone/error_prone_annot
ations",connection="scm:git:https://github.com/google/error-prone.git/e
rror_prone_annotations",developer-connection="scm:git:git@github.com:go
ogle/error-prone.git/error_prone_annotations",tag=HEAD
Bundle-SymbolicName: com.google.errorprone.annotations
Bundle-Vendor: Google LLC
Bundle-Version: 2.23.0
Export-Package: com.google.errorprone.annotations;uses:="javax.lang.mode
l.element";version="2.23.0",com.google.errorprone.annotations.concurren
t;version="2.23.0"
Import-Package: javax.lang.model.element
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"

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* /error-prone-annotations-2-23-0-4-jar/META-INF/MANIFEST.MF
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Found in path(s):
* /error-prone-annotations-2-23-0-4-jar/META-INF/maven/com.google.errorprone/error_prone_annotations/pom.xml

1.340 opentelemetry-semconv 1.29.0-alpha

1.340.1 Available under license :

Apache-2.0

1.341 azure-resourcemanager-resources 2.33.0

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* /azure-resourcemanager-resources-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-resources/pom.xml
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Found in path(s):
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Found in path(s):
* /azure-resourcemanager-resources-2-33-0-sources-1-jar/com/azure/resourcemanager/resources/models/ResourcesMoveInfo.java

* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluent/models/GenericResourceExpandedInner.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluentcore/policy/ResourceManagerThrottlingPolicy.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/DeploymentsImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/FeatureImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluent/models/PolicyDefinitionInner.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/DataManifestCustomResourceFunctionDefinition.java
*
/azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/PolicyExemptionUpdate.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/DeploymentsClientImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluentcore/model/implementation/ExecutableImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluentcore/arm/collection/implementation/GroupableResourcesImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluentcore/model/implementation/ExecuteTask.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/Deployments.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/SubscriptionListResult.java
*
/azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/ChangesManagementClientImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/FeatureProperties.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluentcore/arm/collection/SupportsGettingByParent.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/ExtendedLocation.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/AuthorizationProfile.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluent/models/PolicyExemptionInner.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/fluent/models/ResourceGroupInner.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/PolicyDefinitionsClientImpl.java
*
/azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/implementation/SubscriptionsImpl.java
* /azure-resourcemanager-resources-2-33-0-sources-1-

jar/com/azure/resourcemanager/resources/fluentcore/arm/models/ExternalChildResource.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/DeploymentExportResult.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/RoleDefinition.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
jar/com/azure/resourcemanager/resources/models/ParameterType.java
* /azure-resourcemanager-resources-2-33-0-sources-1-
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1.342 azure-resourcemanager-cosmos 2.33.0

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* /azure-resourcemanager-cosmos-2-33-0-sources-1-jar/com/azure/resourcemanager/cosmos/fluent/models/SqlDatabaseCreateUpdateProperties.java
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1.343 azure-resourcemanager-trafficmanager 2.33.0

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* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/ProfileListResult.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/TrafficManagerAzureEndpoint.java
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/azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/models/DeleteOperationResultInner.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/models/HeatMapProperties.java
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* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/ProfileDnsNameUnavailableReason.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/TrafficManagerManagementClient.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/implementation/ProfilesClientImpl.java
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/azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/MonitorConfigCustomHeadersItem.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/models/UserMetricsProperties.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/implementation/GeographicHierarchiesClientImpl.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/EndpointMonitorStatus.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/QueryExperience.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/MonitorConfig.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/models/UserMetricsModelInner.java
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/azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/implementation/TrafficManagerEndpointsImpl.java
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* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/GeographicHierarchies.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/TrafficManagerProfile.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/fluent/models/TrafficManagerGeographicHierarchyInner.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/implementation/TrafficManagerUserMetricsKeysClientImpl.java
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/azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/Region.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/TrafficFlow.java
* /azure-resourcemanager-trafficmanager-2-33-0-sources-1-jar/com/azure/resourcemanager/trafficmanager/models/AlwaysServe.java

1.344 azure-resourcemanager-redis 2.33.0

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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/RedisFirewallRulesImpl.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/DefaultName.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisLinkedServerCreateParameters.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/package-info.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/RedisUpdateProperties.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/PrivateLinkResourcesClientImpl.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/PrivateEndpoint.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/OperationListResult.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/RedisLinkedServerCreateProperties.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/AccessPolicyAssignmentsClientImpl.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/OperationStatusInner.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/AccessPolicyAssignmentProvisioningState.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/CheckNameAvailabilityParameters.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/ScheduleEntries.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/PrivateLinkResourceProperties.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/RedisCreateProperties.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/package-info.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisCache.java
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/azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/PrivateEndpointConnectionsClientImpl.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisCacheAccessPolicyAssignmentList.java
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* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/LinkedServersClientImpl.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/AsyncOperationStatusClient.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/OperationsClient.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/TlsVersion.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisCommonProperties.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/ProvisioningState.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisCreateParameters.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/RedisAccessKeysImpl.java

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/azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/RedisManagementClient.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/RedisClientImpl.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/fluent/models/RedisPropertiesInner.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisRegenerateKeyParameters.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/PrivateLinkServiceConnectionState.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/ScheduleEntry.java
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/models/RedisLinkedServer.java
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*
/azure-resourcemanager-redis-2-33-0-sources-1-jar/com/azure/resourcemanager/redis/implementation/RedisPatchScheduleImpl.java
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-->

Found in path(s):
* /azure-resourcemanager-redis-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-redis/pom.xml

1.345 azure-core-management 1.11.8

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* /azure-core-management-1-11-8-sources-1-jar/META-INF/maven/com.azure/azure-core-management/pom.xml
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* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/polling/PollerFactory.java
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* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/provider/DelayProvider.java
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* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/package-info.java
* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/implementation/http/AuthenticationChallenge.java
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* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/serializer/SerializerFactory.java
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* /azure-core-management-1-11-8-sources-1-jar/com/azure/core/management/implementation/polling/Util.java

1.346 azure-resourcemanager-eventhubs 2.33.0

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1.347 azure-resourcemanager-privatedns 2.33.0

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* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/fluent/models/VirtualNetworkLinkInner.java
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* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/models/SoaRecordSet.java
* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/models/PtrRecordSet.java
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* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/models/VirtualNetworkLinkListResult.java
* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/fluent/models/PrivateZoneProperties.java
* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/fluent/models/PrivateZoneInner.java
* /azure-resourcemanager-privatedns-2-33-0-sources-1-jar/com/azure/resourcemanager/privatedns/implementation/CnameRecordSetImpl.java
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1.348 azure-resourcemanager-search 2.33.0

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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/PrivateEndpointConnectionListResult.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/SearchServiceManager.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/ServicesClient.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/PrivateLinkResourcesClientImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/PrivateEndpointConnectionProperties.java
*
/azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/IdentityType.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/AdminKeysImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SearchEncryptionWithCmk.java
* /azure-resourcemanager-search-2-33-0-sources-1-

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* /azure-resourcemanager-search-2-33-0-sources-1-
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jar/com/azure/resourcemanager/search/models/DataPlaneAadOrApiKeyAuthOption.java
* /azure-resourcemanager-search-2-33-0-sources-1-
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-search-2-33-0-sources-1-
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/AdminKeys.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/ServicesClientImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/AadAuthFailureMode.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SharedPrivateLinkResourceProvisioningState.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/OperationDisplay.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/QuotaUsageResultName.java
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/azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/UsagesClient.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SearchServices.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/models/SharedPrivateLinkResourceInner.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/SearchManagementClient.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/package-info.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/models/QueryKeyInner.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/ShareablePrivateLinkResourceProperties.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/QuotaUsagesListResult.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/package-info.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/PrivateEndpointConnectionPropertiesPrivateLinkServiceConnectionState.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/package-info.java

* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SearchSemanticSearch.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/SearchServicesImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SearchServiceUpdate.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SearchServiceListResult.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/PublicNetworkAccess.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SkuName.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/SharedPrivateLinkResourcesClient.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/PrivateEndpointConnectionsClientImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/AdminKeyKind.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/CheckNameAvailabilityInput.java
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/azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/OperationsClientImpl.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/CheckNameAvailabilityOutput.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/SharedPrivateLinkResourceStatus.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/QueryKey.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/NetworkRuleSet.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/fluent/QueryKeysClient.java
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* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/Identity.java
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/azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/EncryptionWithCmk.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/models/ShareablePrivateLinkResourceType.java
* /azure-resourcemanager-search-2-33-0-sources-1-jar/com/azure/resourcemanager/search/implementation/QueryKeysClientImpl.java

1.349 azure-resourcemanager-msi 2.33.0

1.349.1 Available under license :

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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-msi/pom.xml
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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/implementation/FederatedIdentityCredentialsClientImpl.java
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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/package-info.java
* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/fluent/models/SystemAssignedIdentityProperties.java
* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/implementation/ManagedServiceIdentityClientBuilder.java
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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/fluent/ManagedServiceIdentityClient.java
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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/fluent/models/UserAssignedIdentityProperties.java
* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/implementation/SystemAssignedIdentitiesClientImpl.java
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* /azure-resourcemanager-msi-2-33-0-sources-1-jar/com/azure/resourcemanager/msi/fluent/models/SystemAssignedIdentityInner.java
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1.350 azure-resourcemanager-keyvault 2.33.0

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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/VaultsClient.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/package-info.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateEndpointConnectionListResult.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/IpRule.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/DeletedVaultImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedServiceIdentityType.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateLinkResource.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Keys.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/GeoReplicationRegionProvisioningState.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/VaultProperties.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/ManagedHsmsClient.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/VaultAccessPolicyProperties.java
*
 /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateLinkResource.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/OperationDisplay.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Secrets.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Vaults.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/MhsmPrivateEndpointConnectionProperties.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Error.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/VaultProvisioningState.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/VaultCheckNameAvailabilityParameters.java
*

/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateLinkServiceConnectionState.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/KeyVaultManagementClientImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/KeyImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/KeysImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedHsmResource.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedHsms.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/ManagedHsmInner.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/DeletedVaultInner.java
*
/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateEndpointConnectionsPutHeaders.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/MhsmPrivateEndpointConnectionsClientImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/DeletedVaultProperties.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/MhsmRegionsClientImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Key.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/MhsmRegionsClient.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ErrorException.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateEndpointConnectionsPutResponse.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/CreateMode.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/VaultsClientImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/SecretsImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/SecretImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/VaultsImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/NetworkRuleSet.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/VaultPatchParameters.java

* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/AccessPolicyImpl.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/package-info.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateEndpointConnectionsListResult.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateEndpoint.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateEndpointConnectionItem.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Sku.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/NetworkRuleBypassOptions.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/MhsmGeoReplicatedRegionInner.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/PrivateLinkResourceProperties.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/PrivateEndpointConnectionInner.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/VaultImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateEndpointConnectionsPutResponse.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/AccessPolicyUpdateKind.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-
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/azure-resourcemanager-keyvault-2-33-0-sources-1-
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedHsmSku.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/CheckMhsmNameAvailabilityResultInner.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/ManagedHsmsImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/StoragePermissions.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/DeletedVault.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/PrivateEndpoint.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedHsm.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/VaultAccessPolicyParametersInner.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/DeletedVaultListResult.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmPrivateEndpointConnectionsPutHeaders.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmipRule.java
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* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/AccessPolicyEntry.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/MhsmVirtualNetworkRule.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/fluent/models/VaultInner.java
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/azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Secret.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/KeyVaultManagementClientBuilder.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/implementation/OperationsClientImpl.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/ManagedHsmSkuName.java
* /azure-resourcemanager-keyvault-2-33-0-sources-1-jar/com/azure/resourcemanager/keyvault/models/Vault.java

1.351 azure-resourcemanager-authorization 2.33.0

1.351.1 Available under license :

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

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * A proprietary hash of the file that can be used to determine if the contents of the file have changed (if
   * available). Read-only.
   */
/**
   * Get the quickXorHash property: A proprietary hash of the file that can be used to determine if the contents of
   * the file have changed (if available). Read-only.
   *
   * @return the quickXorHash value.
   */
/**
   * Set the quickXorHash property: A proprietary hash of the file that can be used to determine if the contents of
   * the file have changed (if available). Read-only.
   *
   * @param quickXorHash the quickXorHash value to set.
   * @return the MicrosoftGraphHashes object itself.
   */
```

Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphHashes.java
No license file was found, but licenses were detected in source scan.

```
<!--
Copyright (c) Microsoft Corporation. All rights reserved.
Licensed under the MIT License. See License.txt in the project root for
license information.
-->
```

Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-authorization/pom.xml
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```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** Static value confidential for MicrosoftGraphSensitivity. */
```

Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphSensitivity.java
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```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * Specifies the fallback application type as public client, such as an installed application running on a mobile
   * device. The default value is false which means the fallback application type is confidential client such as web
   * app. There are certain scenarios where Azure AD cannot determine the client application type (e.g. ROPC flow
   * where it is configured without specifying a redirect URI). In those cases Azure AD will interpret the
   * application type based on the value of this property.
   */
/**
   * Get the isFallbackPublicClient property: Specifies the fallback application type as public client, such as an
   * installed application running on a mobile device. The default value is false which means the fallback application
   * type is confidential client such as web app. There
 are certain scenarios where Azure AD cannot determine the
   * client application type (e.g. ROPC flow where it is configured without specifying a redirect URI). In those cases
   * Azure AD will interpret the application type based on the value of this property.
   *
   * @return the isFallbackPublicClient value.
   */
```

Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphApplicationInner.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
   * Get the attribution property: imageInfo.
   *
   * @return the attribution value.
   */
/**
   * Set the attribution property: imageInfo.
   *
   * @param attribution the attribution value to set.
   * @return the MicrosoftGraphVisualInfo object itself.
   */
```

Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphVisualInfo.java

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Found in path(s):
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/implementation/RoleManagementPoliciesClientImpl.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphSizeRange.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/implementation/ActiveDirectoryApplicationsImpl.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphOnenotePagePreviewLinks.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphMeetingParticipants.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphSwapShiftsChangeRequest.java
*
 /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/models/ActiveDirectoryUser.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/models/RoleManagementPolicyAssignmentListResult.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/ServicePrincipalsServicePrincipalsClient.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/PermissionsClient.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphDeleted.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/DenyAssignmentInner.java
* /azure-resourcemanager-authorization-2-33-0-sources-1-jar/com/azure/resourcemanager/authorization/fluent/models/MicrosoftGraphFile.java
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1.352 azure-storage-file-share 12.21.0

1.352.1 Available under license :

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1.353 azure-resourcemanager-dns 2.33.0

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jar/com/azure/resourcemanager/dns/implementation/RecordSetsClientImpl.java

1.354 azure-resourcemanager-containerinstance 2.33.0

1.354.1 Available under license :

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

Manifest-Version: 1.0
Created-By: Maven Source Plugin 3.2.1

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SHA-256-Digest: AtmxQzC2kQicOCfAhp1wZjV1b39oNw/O6hfTwUrgps4=

Name: com/azure/resourcemanager/containerinstance/models/SecurityConte
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SHA-256-Digest: 63elns4XAFOeZm1zvO3lL3GZRi3E7O1PP0ydVHQEJK0=

Name: META-INF/native-image/com.azure.resourcemanager/azure-resourcema
nager-containerinstance/reflect-config.json
SHA-256-Digest: 4twPpGPyh7PCc4z+h0+o4k1iSgq6m/V2liqmw+qtybo=

Name:
 com/azure/resourcemanager/containerinstance/fluent/ContainerGrou
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SHA-256-Digest: HpcTHcSv4mTn4y/y4fHHqaaw8ekesHq7Qjf2Ie31K8M=

Name: com/azure/resourcemanager/containerinstance/models/InitContainer
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SHA-256-Digest: TBODRWegkTVPBvya6OT2h0EMp45AFPjZxTJ7jNOhU48=

Name: com/azure/resourcemanager/containerinstance/models/EncryptionPro
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SHA-256-Digest: F9Aiu2F/ybxQ2ls3tgi88/jRRy+bItFpl7/v4LgpFcE=

Name: com/azure/resourcemanager/containerinstance/models/ResourceReque
sts.java
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Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/META-INF/MANIFEST.MF
No license file was found, but licenses were detected in source scan.

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * The properties for confidential container group

```
    */
/**
    * Get the confidentialComputeProperties property: The properties for confidential container group.
    *
    * @return the confidentialComputeProperties value.
    */
/**
    * Set the confidentialComputeProperties property: The properties for confidential container group.
    *
    * @param confidentialComputeProperties the confidentialComputeProperties value to set.
    * @return the ContainerGroupProperties object itself.
    */
```

Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/models/ContainerGroupProperties.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
    * Get the confidentialComputeProperties property: The properties for confidential container group.
    *
    * @return the confidentialComputeProperties value.
    */
/**
    * Set the confidentialComputeProperties property: The properties for confidential container group.
    *
    * @param confidentialComputeProperties the confidentialComputeProperties value to set.
    * @return the ContainerGroupInner object itself.
    */
```

Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/models/ContainerGroupInner.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** The properties for confidential container group. */
/*
    * The base64 encoded confidential compute enforcement policy
    */
/** Creates an instance of ConfidentialComputeProperties class. */
/**
    * Get the ccePolicy property: The base64 encoded confidential compute enforcement policy.
    *
    * @return the ccePolicy value.
```

```
    */
/**
    * Set the ccePolicy property: The base64 encoded confidential compute enforcement policy.
    *
    * @param ccePolicy the ccePolicy value to set.
    * @return the ConfidentialComputeProperties object itself.
    */
```

Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ConfidentialComputeProperties.java
No license file was found, but licenses were detected in source scan.

```
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```

Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/ContainersClientImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/ContainerGroupsImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/InitContainerPropertiesDefinitionInstanceView.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/GitRepoVolume.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/ContainerGroupsClientImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupIpAddressType.java
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 /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/ContainerInstanceManagementClientImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerGroup.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/VolumeMount.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/InitContainerDefinition.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/package-info.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupPropertiesInstanceView.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/CachedImagesListResult.java
*
 /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/ContainerImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-

jar/com/azure/resourcemanager/containerinstance/models/ContainerPort.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/implementation/ContainerExecResponseImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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/azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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/azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-

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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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/azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupNetworkProtocol.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/SecurityContextCapabilitiesDefinition.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/UsageName.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupPriority.java

* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/OperationsClient.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerExec.java
*
/azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/ContainersClient.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/GpuResource.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/UsageListResult.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/Container.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/EncryptionProperties.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/HttpHeader.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerGroups.java
*
/azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/models/package-info.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerProbe.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/SubnetServiceAssociationLinksClientImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/CapabilitiesListResult.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerInstanceOperationsOrigin.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupIdentityUserAssignedIdentities.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ResourceRequests.java
*
/azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/Volume.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/ContainerNetworkProtocol.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/Port.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/fluent/package-info.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/implementation/LocationsClientImpl.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/com/azure/resourcemanager/containerinstance/models/DnsConfiguration.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-

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*
 /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/CachedImages.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/fluent/ContainerGroupsClient.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/OperationDisplay.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/Scheme.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
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* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/OperatingSystemTypes.java
*
 /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/fluent/LocationsClient.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/GpuSku.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/ContainerState.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/ContainerAttachResult.java
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/LogAnalyticsLogType.java
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/** Static value Confidential for ContainerGroupSku. */

Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerinstance/models/ContainerGroupSku.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /azure-resourcemanager-containerinstance-2-33-0-sources-1-jar/META-
INF/maven/com.azure.resourcemanager/azure-resourcemanager-containerinstance/pom.xml
No license file was found, but licenses were detected in source scan.

Signature-Version: 1.0

SHA-256-Digest-Manifest-Main-Attributes: MfBsmZm/1SPhkoZBeM/kqYc9M2iEz
1mg1pjlIIlcrqo=
SHA-256-Digest-Manifest: D3pz2fEtjfPK9LoJVKGgHBIER2T4mKnyJfbouJMlAh8=
Created-By: 1.8.0_112 (Oracle Corporation)

Name: com/azure/resourcemanager/containerinstance/fluent/ContainerInst
anceManagementClient.java
SHA-256-Digest: jUPjM+M19UV7DXbkSA9tNIU+djw33Hwr9DIiaoTRIfU=

Name: com/azure/resourcemanager/containerinstance/implementation/Conta
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ionsClientImpl.java
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Name: com/azure/resourcemanager/containerinstance/implementation/Opera
tionsClientImpl.java
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Name: com/azure/resourcemanager/containerinstance/fluent/ContainersCli
ent.java

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nerGroupInner.java
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Name: com/azure/resourcemanager/containerinstance/models/Event.java
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PropertiesDefinitionInstanceView.java
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Name: com/azure/resourcemanager/containerinstance/models/ResourceIdent
ityType.java
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Name: com/azure/resourcemanager/containerinstance/models/ContainerGrou
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1.355 azure-resourcemanager-monitor 2.33.0

1.355.1 Available under license :

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

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* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ScaleRule.java
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jar/com/azure/resourcemanager/monitor/implementation/ScheduledQueryRulesClientImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/MonitorClientBuilder.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/ActionGroupsClientImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/MetricAlertConditionImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/ActionList.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/ActivityLogAlertsImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/Actions.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/AlertRuleIncidentsClientImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/MetricSingleDimension.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/ActivityLogAlert.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/EventDataCollection.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/MetricsClientImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/ActivityLogAlertAllOfCondition.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/OperationDisplay.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/EventHubReceiver.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/KnownDataCollectionEndpointResourceKind.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/models/ActionGroupResourceInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/MetricClass.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/ScheduledQueryRuleCriteria.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/KnownDataFlowStreams.java

* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/RecurrenceFrequency.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DataCollectionRuleAssociationProxyOnlyResourceListResult.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ActivityLogAlerts.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ConditionFailingPeriods.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ResultType.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/PrivateLinkScopeOperationStatusClient.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ScaleDirection.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DataCollectionRuleResourceListResult.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/TagsResource.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/LogProfileResourcePatch.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DataCollectionEndpointConfigurationAccess.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/LocationThresholdRuleCondition.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/LocalizableString.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/TimeAggregationOperator.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ScheduledQueryRuleResourcePatch.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/Context.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/ResponseInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/WindowsEventLogDataSource.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/IncidentListResult.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/AlertRulePatchProperties.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ActivityLogAlertLeafCondition.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/implementation/LogProfilesClientImpl.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/AlertRulePatchObject.java

* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/MetricAlertSingleResourceMultipleMetricCriteria.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/OperationsClient.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/WebhookReceiver.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/MetricCollection.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/MetricAlertPropertiesPatch.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/implementation/MetricAlertsImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/NotificationRequestBody.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/DiagnosticSettingsCategory.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/LogFileSettingsText.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/ActionGroup.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/implementation/DiagnosticSettingsImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/DataCollectionRuleResourceProperties.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/Odatatype.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/ScopedResourceInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/implementation/MetricAlertsClientImpl.java
*
/azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/LogAnalyticsDestination.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/MetricAlertRuleCondition.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/PredictiveAutoscalePolicyScaleMode.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/ScheduledQueryRuleResourceInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/ScheduledQueryRuleProperties.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/fluent/models/TestNotificationDetailsResponseInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DataCollectionRule.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DataSourcesSpec.java

*
 /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/DataCollectionRuleDestinations.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/MetricTrigger.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/MetricAlert.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/ScaleCapacity.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/MetricDefinitionsClient.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/AutoscaleSettingsClient.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/AlertRuleResourceCollection.java
*
 /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/KnownExtensionDataSourceStreams.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/DynamicThresholdOperator.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/RecurrentSchedule.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/HttpRequestInfo.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/CriterionType.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/AlertRulesImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/models/PrivateLinkResourceListResultInner.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/RuleCondition.java
*
 /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/MetricAlertAction.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/ActivityLogAlertImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/WebtestLocationAvailabilityCriteria.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/implementation/MetricDefinitionsImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/models/DimensionOperator.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/AlertRuleIncidentsClient.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-
jar/com/azure/resourcemanager/monitor/fluent/models/AutoscaleSettingResourceInner.java

* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/implementation/VMInsightsClientImpl.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/DayOfWeek.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/Dimension.java
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/com/azure/resourcemanager/monitor/models/MetricDimension.java
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<name>The MIT License (MIT)</name>

Found in path(s):
* /azure-resourcemanager-monitor-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-monitor/pom.xml

1.356 azure-security-keyvault-secrets 4.7.3

1.356.1 Available under license :

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Found in path(s):
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/DeletedSecretBundle.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/DeletionRecoveryLevel.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/KeyVaultErrorException.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/package-info.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretSetParameters.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/SecretServiceVersion.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/KeyVaultCredentialPolicy.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretProperties.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/package-info.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/models/package-info.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretItem.java

* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretListResult.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretsModelsUtils.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/Attributes.java
*
/azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/Error.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/BackupSecretResult.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretAttributes.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/KeyVaultErrorCodeStrings.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/models/DeletedSecret.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/models/KeyVaultSecret.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretUpdateParameters.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/SecretClientImpl.java
*
/azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/models/KeyVaultSecretIdentifier.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/models/SecretProperties.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretBundle.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/SecretRestoreParameters.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/module-info.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/DeletedSecretItem.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/SecretAsyncClient.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/DeletedSecretListResult.java
*
/azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/DeletedSecretHelper.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/SecretClient.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/SecretPropertiesHelper.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/package-info.java
* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/implementation/models/KeyVaultError.java

* /azure-security-keyvault-secrets-4-7-3-sources-1-jar/com/azure/security/keyvault/secrets/SecretClientBuilder.java

1.357 azure-resourcemanager-sql 2.33.0

1.357.1 Available under license :

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```
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/**
    * Get the digestStorageEndpoint property: The digest storage endpoint, which must be either an Azure blob
storage
    * endpoint or an URI for Azure Confidential Ledger.
    *
    * @return the digestStorageEndpoint value.
    */
```

Found in path(s):
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/LedgerDigestUploadsInner.java
No license file was found, but licenses were detected in source scan.

```
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```

Found in path(s):
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/OutboundEnvironmentEndpointInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/ServerConnectionPoliciesClientImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/FirewallRuleListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/SyncGroupSchema.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/SqlServerSecurityAlertPolicyOperations.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/PrivateLinkResourceListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/AdministratorListResult.java
*
 /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/CapabilitiesClient.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/ServerDnsAliasesClientImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/SqlDatabaseUsageMetric.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/RecoverableDatabaseProperties.java

* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/MinCapacityCapability.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ServerKeyProperties.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/RestoreDetailsName.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/DnsRefreshConfigurationPropertiesStatus.java
*
/azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/LogSizeCapability.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/JobSchedule.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/TransparentDataEncryptionsClient.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/JobAgentState.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/CreateDatabaseRestorePointDefinition.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/SqlDatabaseImportExportResponse.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/WorkloadGroupListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/FailoverGroupReadOnlyEndpoint.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ManagedServerDnsAliasInner.java
*
/azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ServerInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/SensitivityLabelUpdateInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/DatabaseSchemaListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/ServerDnsAliasListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/TimeZoneInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/DatabaseRecommendedActionsClientImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/ManagedInstanceAdministratorsClientImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/ManagedInstanceLongTermRetentionBackupListResult.java
*
/azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/PrivateEndpointConnectionRequestStatus.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/PrivateLinkServiceConnectionStateActionsRequire.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/SqlActiveDirectoryAdministratorImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/AdministratorType.java

* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/ServerTrustGroupsClient.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/SqlServerSecurityAlertPolicyImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/GeoBackupPolicyListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/ServerAzureADOnlyAuthenticationsClient.java
*
/azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/UsagesClient.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/ExtendedDatabaseBlobAuditingPoliciesClientImpl.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/ServerTrustGroupListResult.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/ServerWorkspaceFeature.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/ManagedServerCreateMode.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ExtendedDatabaseBlobAuditingPolicyInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ReplicationLinkInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/LongTermRetentionManagedInstanceBackupsClient.java
*
/azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/DatabaseVulnerabilityAssessmentScansClient.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/ManagedBackupShortTermRetentionPolicyInner.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/models/SecurityAlertPolicyNameAutoGenerated.java
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/DatabaseRecommendedActionsClient.java
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```
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/**
   * Enables upload ledger digests to an Azure Storage account or an Azure Confidential Ledger instance.
   *
   * @param resourceGroupName The name of the resource group that contains the resource. You can obtain this value
   *     from the Azure Resource Manager API or the portal.
   * @param serverName The name of the server.
   * @param databaseName The name of the database.
   * @param ledgerDigestUploads The ledgerDigestUploads parameter.
   * @param parameters Azure SQL Database ledger digest upload settings.
```

```
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws com.azure.core.management.exception.ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to
 be sent.
    * @return azure SQL Database ledger digest upload settings along with {@link Response} on successful completion of
    *     {@link Mono}.
    */
/**
    * Disables uploading ledger digests to an Azure Storage account or an Azure Confidential Ledger instance.
    *
    * @param resourceGroupName The name of the resource group that contains the resource. You can obtain this value
    *     from the Azure Resource Manager API or the portal.
    * @param serverName The name of the server.
    * @param databaseName The name of the database.
    * @param ledgerDigestUploads The ledgerDigestUploads parameter.
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws com.azure.core.management.exception.ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to be sent.
    * @return azure SQL Database ledger digest upload settings along
 with {@link Response} on successful completion of
    *     {@link Mono}.
    */
```

Found in path(s):
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/LedgerDigestUploadsOperationsClient.java
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```
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/**
    * Enables upload ledger digests to an Azure Storage account or an Azure Confidential Ledger instance.
    *
    * @param resourceGroupName The name of the resource group that contains the resource. You can obtain this value
    *     from the Azure Resource Manager API or the portal.
    * @param serverName The name of the server.
    * @param databaseName The name of the database.
    * @param ledgerDigestUploads The ledgerDigestUploads parameter.
    * @param parameters Azure SQL Database ledger digest upload settings.
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to be sent.
    * @return azure SQL Database
```

ledger digest upload settings along with {@link Response} on successful completion of
    *   {@link Mono}.
    */
/**
    * Disables uploading ledger digests to an Azure Storage account or an Azure Confidential Ledger instance.
    *
    * @param resourceGroupName The name of the resource group that contains the resource. You can obtain this value
    *   from the Azure Resource Manager API or the portal.
    * @param serverName The name of the server.
    * @param databaseName The name of the database.
    * @param ledgerDigestUploads The ledgerDigestUploads parameter.
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to be sent.
    * @return azure SQL Database ledger digest upload settings along with {@link Response} on successful completion of
    *   {@link
 Mono}.
    */

Found in path(s):
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/implementation/LedgerDigestUploadsOperationsClientImpl.java
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/*
    * The digest storage endpoint, which must be either an Azure blob storage endpoint or an URI for Azure
    * Confidential Ledger.
    */
/**
    * Get the digestStorageEndpoint property: The digest storage endpoint, which must be either an Azure blob storage
    * endpoint or an URI for Azure Confidential Ledger.
    *
    * @return the digestStorageEndpoint value.
    */

Found in path(s):
* /azure-resourcemanager-sql-2-33-0-sources-1-jar/com/azure/resourcemanager/sql/fluent/models/LedgerDigestUploadsProperties.java
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1.358 azure-resourcemanager-cdn 2.33.0

1.358.1 Available under license :

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Found in path(s):
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-cdn/pom.xml
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/fluent/models/OriginInner.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/fluent/models/AfdOriginProperties.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/implementation/ProfilesClientImpl.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/fluent/models/SecurityPolicyInner.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/fluent/OriginGroupsClient.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/DimensionProperties.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/LogMetricsGroupBy.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/ResourceReference.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/GeoFilterActions.java
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* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/ResourcesResponseEndpointsPropertiesItemsItem.java
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* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/SecurityPolicyListResult.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/CdnProfiles.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/IpAddressGroup.java
* /azure-resourcemanager-cdn-2-33-0-sources-1-jar/com/azure/resourcemanager/cdn/models/WafMetricsResponseSeriesItem.java
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1.359 azure-resourcemanager-appservice 2.33.0

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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
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* /azure-resourcemanager-appservice-2-33-0-sources-1-
jar/com/azure/resourcemanager/appservice/models/UsageCollection.java
* /azure-resourcemanager-appservice-2-33-0-sources-1-

jar/com/azure/resourcemanager/appservice/implementation/WorkflowRunActionScopeRepetitionsClientImpl.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
   * Get the linuxContainerSettings property: Linux-specific settings associated with the Java container minor
   * version.
   *
   * @return the linuxContainerSettings value.
   */
```

Found in path(s):
* /azure-resourcemanager-appservice-2-33-0-sources-1-jar/com/azure/resourcemanager/appservice/models/WebAppRuntimes.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * Gets or sets whether CORS requests with credentials are allowed. See
   * https://developer.mozilla.org/en-US/docs/Web/HTTP/CORS#Requests_with_credentials
   * for more details.
   */
```

Found in path(s):
* /azure-resourcemanager-appservice-2-33-0-sources-1-jar/com/azure/resourcemanager/appservice/models/CorsSettings.java
No license file was found, but licenses were detected in source scan.

```
<!--
Copyright (c) Microsoft Corporation. All rights reserved.
Licensed under the MIT License. See License.txt in the project root for
license information.
-->
```

Found in path(s):
* /azure-resourcemanager-appservice-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-appservice/pom.xml
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
      * A web app definition stage allowing Java web container to be set. This is required after specifying Java
      * version.
      *
      * @param <FluentT> the type of the resource
```

*/

Found in path(s):
* /azure-resourcemanager-appservice-2-33-0-sources-1-jar/com/azure/resourcemanager/appservice/models/WebAppBase.java

1.360 azure-resourcemanager-compute 2.33.0

1.360.1 Available under license :

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

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
* Get the policyViolations property: A list of Policy Violations that have been reported for this Gallery Image
* Version.
*
* @return the policyViolations value.
*/

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/GalleryImageVersionSafetyProfile.java
No license file was found, but licenses were detected in source scan.

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
* Specifies the EncryptionType of the managed disk. It is set to DiskWithVMGuestState for encryption of the managed
* disk along with VMGuestState blob, and VMGuestStateOnly for encryption of just the VMGuestState blob. **Note:** It
* can be set for only Confidential VMs.
*/

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/SecurityEncryptionTypes.java
No license file was found, but licenses were detected in source scan.

// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** Static value ConfidentialVM_VMGuestStateOnlyEncryptedWithPlatformKey for DiskSecurityTypes. */
/** Static value ConfidentialVM_DiskEncryptedWithPlatformKey for DiskSecurityTypes. */
/** Static value ConfidentialVM_DiskEncryptedWithCustomerKey for DiskSecurityTypes. */

Found in path(s):

* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/DiskSecurityTypes.java
No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0
Created-By: Maven Source Plugin 3.2.1

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Name: com/azure/resourcemanager/compute/models/SoftDeletePolicy.java
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Name: com/azure/resourcemanager/compute/models/GalleryImageVersion.jav
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Name: com/azure/resourcemanager/compute/models/ApiError.java
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Name: com/azure/resourcemanager/compute/fluent/models/VirtualMachineSc
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SHA-256-Digest: 0DK+cNMhxlbm4LpSCWV0NNjJELmP91JXut6gFccB0jQ=

Name: com/azure/resourcemanager/compute/models/UpgradeOperationHistori
calStatusInfoProperties.java
SHA-256-Digest: 3r95SqEnW2s4zKJPVlvJUnDAQDI83UvjwSWzNf4xKbA=

Name: com/azure/resourcemanager/compute/models/DiskEncryptionSetUpdate
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SHA-256-Digest: AzPUJDkJacK5Sj5sDsWR3JwXTTx+A8NCb1K8X089U3E=

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SHA-256-Digest: ocUpLndBGMvkxwHRiOBchykv5WEbDSg1j/mOaqpzqgw=

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Name: com/azure/resourcemanager/compute/implementation/DiskEncryptionS

etImpl.java
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Name: com/azure/resourcemanager/compute/models/RestorePointCollectionS
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SHA-256-Digest: 5pblrFPXERS6h+cI+u6ZUB03OeOUYr7+66LUKLHfpss=

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 com/azure/resourcemanager/compute/implementation/AvailabilitySet
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SHA-256-Digest: /8z4EHnLToqPZAEyl8qZMkefbOLVgbka8dxgGAPTysQ=

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Name: com/azure/resourcemanager/compute/fluent/DiskAccessesClient.java
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Name: com/azure/resourcemanager/compute/models/UpgradeOperationInvoker
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Name: com/azure/resourcemanager/compute/implementation/DiskImpl.java
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Group.java
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SHA-256-Digest: vzwWzyJ/zOtYUgzDbNkCpOG5aQeXfvWXD2j1bdYo1oA=

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/META-INF/MANIFEST.MF
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * If set to true, Virtual Machines deployed from the latest version of the Image Definition won't use this Image
   * Version.
   */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/fluent/models/SharedGalleryImageVersionProperties.java
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/fluent/models/CommunityGalleryImageVersionProperties.java
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/GalleryArtifactPublishingProfileBase.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/*
   * ResourceId of the disk encryption set associated to Confidential VM supported disk encrypted with customer
   * managed key
   */
/**
   * Get the secureVMDiskEncryptionSetId property: ResourceId of the disk encryption set associated to
Confidential VM
   * supported disk encrypted with customer managed key.
```

```
    *
    * @return the secureVMDiskEncryptionSetId value.
    */
/**
    * Set the secureVMDiskEncryptionSetId property: ResourceId of the disk encryption set associated to
Confidential VM
    * supported disk encrypted with customer managed key.
    *
    * @param secureVMDiskEncryptionSetId the secureVMDiskEncryptionSetId value to set.
    * @return the DiskSecurityProfile object itself.
    */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/DiskSecurityProfile.java
No license file was found, but licenses were detected in source scan.

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Signature-Version: 1.0
SHA-256-Digest-Manifest-Main-Attributes: MfBsmZm/1SPhkoZBeM/kqYc9M2iEz
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Name:
 com/azure/resourcemanager/compute/models/PirResource.java
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com/azure/resourcemanager/compute/models/ComputeSkuTier.java
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Name: com/azure/resourcemanager/compute/fluent/VirtualMachineImagesCli
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Name: com/azure/resourcemanager/compute/models/SupportedCapabilities.j
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Name: com/azure/resourcemanager/compute/fluent/CommunityGalleryImageVe
rsionsClient.java
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Name: com/azure/resourcemanager/compute/models/VirtualMachineScaleSetOSProfile.java
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Name: com/azure/resourcemanager/compute/implementation/GalleriesClientImpl.java
SHA-256-Digest: 43KGGlWkbaVND+MdbhYbxW/pxoedV+ImLtNZ15kPwO0=

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SHA-256-Digest: md9HZ5h4pGoV4jj4pT6c+GbAyLAcSHQnQWyy77wBrXo=

Name: com/azure/resourcemanager/compute/models/PatchInstallationState.java
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Name: com/azure/resourcemanager/compute/models/OperatingSystemType.java
SHA-256-Digest: Say6xttH7xKvsuPwSfJUaXRa9lNg94yJUmJgFZf2AMA=

Name: com/azure/resourcemanager/compute/implementation/VirtualMachineSizesImpl.java
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Name: com/azure/resourcemanager/compute/fluent/VirtualMachineRunCommandsClient.java
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Name: com/azure/resourcemanager/compute/fluent/models/SnapshotUpdatePr operties.java
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Name: com/azure/resourcemanager/compute/implementation/DiskEncryptionSetMsiHandler.java
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Name: com/azure/resourcemanager/compute/ComputeManager.java
SHA-256-Digest: jfXQrCrVCjRitw8Fj5vl91mxFXGcy4y7tFqbACZKuOQ=

Name: com/azure/resourcemanager/compute/models/IpVersion.java
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ntGroupInner.java
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Update.java
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e.java
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Name: com/azure/resourcemanager/compute/models/Galleries.java
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Name: com/azure/resourcemanager/compute/implementation/CommunityGallery
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Type.java
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ntClientBuilder.java
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ryMode.java
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Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/META-INF/MSFTSIG.SF
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** Static value ConfidentialVmEncryptedWithCustomerKey for DiskEncryptionSetType. */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/DiskEncryptionSetType.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** confidential VM encryption types. */
/** Static value EncryptedVMGuestStateOnlyWithPmk for ConfidentialVMEncryptionType. */
/** Static value EncryptedWithPmk for ConfidentialVMEncryptionType. */
/** Static value EncryptedWithCmk for ConfidentialVMEncryptionType. */
/**
   * Creates a new instance of ConfidentialVMEncryptionType value.
   *
   * @deprecated Use the {@link #fromString(String)} factory method.
   */
/**
```

```
    * Creates or finds a ConfidentialVMEncryptionType from its string representation.
    *
    * @param name a name to look for.
    * @return the corresponding ConfidentialVMEncryptionType.
    */
/**
    * Gets known ConfidentialVMEncryptionType values.
    *
    * @return known ConfidentialVMEncryptionType values.
    */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/ConfidentialVMEncryptionType.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/** @return the security type, whether trusted launch or confidential VM. */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/GalleryImage.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
    * Get the customActions property: A list of custom actions that can be performed with this Gallery Application
    * Version.
    *
    * @return the customActions value.
    */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/GalleryApplicationVersionPublishingProfile.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/SshConfiguration.java
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/fluent/models/SharedGalleryImageInner.java
* /azure-resourcemanager-compute-2-33-0-sources-1-

jar/com/azure/resourcemanager/compute/models/OrchestrationServiceState.java
* /azure-resourcemanager-compute-2-33-0-sources-1-
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* /azure-resourcemanager-compute-2-33-0-sources-1-
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* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/ApplicationProfile.java
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* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/ScaleInPolicy.java
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/ExpandTypesForGetVMScaleSets.java
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* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/fluent/models/ComputeOperationValueInner.java
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* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/VirtualMachineScaleSetVMNetworkProfileConfiguration.java

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* /azure-resourcemanager-compute-2-33-0-sources-1-
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* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/VirtualMachineScaleSetSkuCapacity.java
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* /azure-resourcemanager-compute-2-33-0-sources-1-
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* /azure-resourcemanager-compute-2-33-0-sources-1-jar/module-info.java
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/azure-resourcemanager-compute-2-33-0-sources-1-
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* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/ResourceSkuRestrictionsReasonCode.java
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```
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/*
   * confidential VM encryption types
   */
/**
   * Get the confidentialVMEncryptionType property: confidential VM encryption types.
   *
   * @return the confidentialVMEncryptionType value.
   */
/**
   * Set the confidentialVMEncryptionType property: confidential VM encryption types.
   *
   * @param confidentialVMEncryptionType the confidentialVMEncryptionType value to set.
   * @return the OSDiskImageSecurityProfile object itself.
   */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-
jar/com/azure/resourcemanager/compute/models/OSDiskImageSecurityProfile.java
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-->
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-compute/pom.xml

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// Copyright (c) Microsoft Corporation. All rights reserved.
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/** Static value ConfidentialVM for SecurityTypes. */

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/SecurityTypes.java
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// Copyright (c) Microsoft Corporation. All rights reserved.
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/** Specifies the security profile settings for the managed disk. **Note:** It can only be set for Confidential VMs.
*/
/*
   * Specifies the EncryptionType of the managed disk. It is set to DiskWithVMGuestState for encryption of the
   * managed disk along with VMGuestState blob, and VMGuestStateOnly for encryption of just the VMGuestState blob.
   * **Note:** It can be set for only Confidential VMs.
   */
/*
   * Specifies the customer managed disk encryption set resource id for the managed disk that is used for Customer
   * Managed Key encrypted ConfidentialVM OS Disk and VMGuest blob.
   */
/**
   * Get the securityEncryptionType property: Specifies the EncryptionType of the managed disk. It is set to
   * DiskWithVMGuestState for encryption of the managed disk along with VMGuestState blob, and VMGuestStateOnly
 for
   * encryption of just the VMGuestState blob. **Note:** It can be set for only Confidential VMs.
   *
   * @return the securityEncryptionType value.
   */
/**
   * Get the diskEncryptionSet property: Specifies the customer managed disk encryption set resource id for the
   * managed disk that is used for Customer Managed Key encrypted ConfidentialVM OS Disk and VMGuest blob.
   *
   * @return the diskEncryptionSet value.
   */

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/VMDiskSecurityProfile.java
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```
/**
    * Get the vmSizeProperties property: Specifies the properties for customizing the size of the virtual machine.
    * Minimum api-version: 2021-07-01. This feature is still in preview mode and is not supported for
    * VirtualMachineScaleSet. Please follow the instructions in [VM
Customization](https://aka.ms/vmcustomization) for
    * more details.
    *
    * @return the vmSizeProperties value.
    */
```

Found in path(s):
* /azure-resourcemanager-compute-2-33-0-sources-1-jar/com/azure/resourcemanager/compute/models/HardwareProfile.java

1.361 azure-resourcemanager-storage 2.33.0

1.361.1 Available under license :

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-->
```

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* /azure-resourcemanager-storage-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-storage/pom.xml
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```

Found in path(s):
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* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/implementation/StorageAccountsImpl.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/fluent/models/ListTableServicesInner.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/PublicEndpoints.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/LeaseState.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/ProtocolSettings.java

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/azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/Usages.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/Restriction.java
* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-
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* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/Action.java
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* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/fluent/models/FileServicePropertiesProperties.java
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* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/StorageAccountUpdateParameters.java
* /azure-resourcemanager-storage-2-33-0-sources-1-jar/com/azure/resourcemanager/storage/models/ListTableResource.java
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1.362 azure-resourcemanager-network 2.33.0

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1.363 azure-resourcemanager-appplatform 2.33.0

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* /azure-resourcemanager-appplatform-2-33-0-sources-1-jar/com/azure/resourcemanager/appplatform/implementation/SpringAppsImpl.java

1.364 azure-resourcemanager-containerservice 2.33.0

1.364.1 Available under license :

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

<name>The MIT License (MIT)</name>

Found in path(s):
* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-containerservice/pom.xml
No license file was found, but licenses were detected in source scan.

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* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/KubeletDiskType.java
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/ClusterUpgradeSettings.java
* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/PrivateLinkServiceConnectionState.java
* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/MaintenanceWindow.java
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/NetworkPlugin.java
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/ManagedClusterAddonProfileIdentity.java
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/models/ManagedClusterAzureMonitorProfile.java
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-
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jar/com/azure/resourcemanager/containerservice/models/ManagedClusterLoadBalancerProfileOutboundIpPrefixes.j
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* /azure-resourcemanager-containerservice-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerservice/models/ManagedClusterPoolUpgradeProfile.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
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/**
   * Get the workloadIdentity property: Workload identity settings for the security profile. Workload identity
enables
   * Kubernetes applications to access Azure cloud resources securely with Azure AD. See https://aka.ms/aks/wi for
   * more details.
   *
   * @return the workloadIdentity value.
   */
```

Found in path(s):
* /azure-resourcemanager-containerservice-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerservice/models/ManagedClusterSecurityProfile.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
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/*
   * Whether to use a FIPS-enabled OS.
   *
   * See [Add a FIPS-enabled node
   * pool](https://docs.microsoft.com/azure/aks/use-multiple-node-pools#add-a-fips-enabled-node-pool-preview) for
   * more details.
   */
```

Found in path(s):
* /azure-resourcemanager-containerservice-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerservice/fluent/models/ManagedClusterAgentPoolProfileProperties.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
```

```
    * Creates or updates an OpenShift managed cluster.
    *
    * <p>Creates or updates a OpenShift managed cluster with the specified configuration for agents and OpenShift
    * version.
    *
    * @param resourceGroupName The name of the resource group.
    * @param resourceName The name of the OpenShift managed cluster resource.
    * @param parameters Parameters supplied to the Create or Update an OpenShift Managed Cluster operation.
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to be sent.
    * @return openShift Managed cluster along with {@link Response} on successful completion of {@link Mono}.

    */
```

Found in path(s):
* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/implementation/OpenShiftManagedClustersClientImpl.java
No license file was found, but licenses were detected in source scan.

```
// Copyright (c) Microsoft Corporation. All rights reserved.
// Licensed under the MIT License.
/**
    * Creates or updates an OpenShift managed cluster.
    *
    * <p>Creates or updates a OpenShift managed cluster with the specified configuration for agents and OpenShift
    * version.
    *
    * @param resourceGroupName The name of the resource group.
    * @param resourceName The name of the OpenShift managed cluster resource.
    * @param parameters Parameters supplied to the Create or Update an OpenShift Managed Cluster operation.
    * @throws IllegalArgumentException thrown if parameters fail the validation.
    * @throws com.azure.core.management.exception.ManagementException thrown if the request is rejected by server.
    * @throws RuntimeException all other wrapped checked exceptions if the request fails to be sent.
    * @return openShift Managed cluster along with {@link Response} on successful
 completion of {@link Mono}.
    */
```

Found in path(s):
* /azure-resourcemanager-containerservice-2-33-0-sources-1-jar/com/azure/resourcemanager/containerservice/fluent/OpenShiftManagedClustersClient.java

1.365 azure-resourcemanager-servicebus 2.33.0

1.365.1 Available under license :

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license information.
-->

Found in path(s):
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-servicebus/pom.xml
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Found in path(s):
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/TopicAuthorizationRules.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/MigrationConfigurationName.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/module-info.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/DurationSerializer.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/SubscriptionsClientImpl.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/ArmDisasterRecoveryListResult.java
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* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/fluent/PrivateEndpointConnectionsClient.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/CheckNameAvailability.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/package-info.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/fluent/QueuesClient.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/ConnectionState.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/ServiceBusManagementClientBuilder.java

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/azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/MigrationConfigsClientImpl.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/fluent/NamespacesClient.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/ServiceBusChildResourcesImpl.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/DefaultAction.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/AuthorizationKeysImpl.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/ServiceBusManager.java
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* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/ResourceNamespacePatch.java
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* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/fluent/models/PrivateEndpointConnectionProperties.java
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/azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/implementation/PrivateLinkResourcesClientImpl.java
* /azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/Action.java
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/azure-resourcemanager-servicebus-2-33-0-sources-1-jar/com/azure/resourcemanager/servicebus/models/Topic.java

1.366 azure-resourcemanager-containerregistry 2.33.0

1.366.1 Available under license :

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

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Found in path(s):
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/META-INF/maven/com.azure.resourcemanager/azure-resourcemanager-containerregistry/pom.xml
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jar/com/azure/resourcemanager/containerregistry/fluent/models/CredentialSetUpdateProperties.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerregistry/fluent/models/OperationPropertiesDefinition.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-
jar/com/azure/resourcemanager/containerregistry/fluent/models/TokenUpdateProperties.java

* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/ConnectionStatus.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/ImportSource.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/implementation/RegistryImpl.java
*
/azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/EventRequestMessage.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/fluent/models/WebhookInner.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/fluent/AgentPoolsClient.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/Argument.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/EncryptionStatus.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/implementation/RegistryDockerTaskRunRequestImpl.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/IdentityProperties.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/FileTaskStep.java
*
/azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/models/SourceTriggerDescriptor.java
* /azure-resourcemanager-containerregistry-2-33-0-sources-1-jar/com/azure/resourcemanager/containerregistry/fluent/models/PrivateLinkResourceInner.java

1.367 azure-resourcemanager 2.33.0

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* /azure-resourcemanager-2-33-0-sources-1-jar/com/azure/resourcemanager/AzureResourceManager.java
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1.370 cyrus-sasl-dev 2.1.28-r8

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1.371 lz4-dev 1.10.0-r0

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1.372 gson-fire 1.9.0

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Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: 1.8.0_232 (Amazon.com Inc.)
Built-By: julio
Build-Jdk: 1.8.0_232
Bnd-LastModified: 1699219757965
Bundle-ContactAddress: ${project.parent.url}
Bundle-Description: A java library that adds some very useful features
 to Gson, like Date serializing to unix timestamp or RFC3339, method
(getter) serialization, pre and post processors and many more. Check
out the documentation to learn how to use it!
Bundle-DocURL: http://gsonfire.io
Bundle-License: "Apache-2.0";link="https://www.apache.org/licenses/LIC
ENSE-2.0.txt"
Bundle-ManifestVersion: 2
Bundle-Name: Gson on Fire!
Bundle-RequiredExecutionEnvironment: JavaSE-1.6, JavaSE-1.7, JavaSE-1.8
Bundle-SCM: url="git@github.com:julman99/gson-fire.git",connection="sc
m:git:git@github.com:julman99/gson-fire.git",developer-connection="sc
m:git:git@github.com:julman99/gson-fire.git",tag=HEAD
Bundle-SymbolicName:

io.gsonfire
Bundle-Vendor: julman99
Bundle-Version: 1.9.0
Export-Package: io.gsonfire;uses:="com.google.gson";version="1.9.0"
Import-Package: com.google.gson;version="[2.10,3)",com.google.gson.ann
otations;version="[2.10,3)",com.google.gson.reflect;version="[2.10,3)
",com.google.gson.stream;version="[2.10,3)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-5.0.0.202001221519

Found in path(s):
* /gson-fire-1-9-0-4-jar/META-INF/MANIFEST.MF

1.373 proto-google-common-protos 2.41.0

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1.379 kubernetes 30.1.0

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1.380 kotlinpoet 1.10.2

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1.381 azure-cosmos 4.54.0

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```
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/**
   * Replaces a permission.
   * <p>
   * After subscription the operation will be performed.
   * The {@link Mono} upon successful completion will contain a single resource response with the replaced
permission.
   * In case of failure the {@link Mono} will error.
   *
   * @param permission the permission to use.
   * @param options    the request options.
   * @return a {@link Mono} containing the single resource response with the replaced permission or an error.
   */
```

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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):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ObjectArrays.java
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*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/

Found in path(s):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/ExtraObjectsMethodsForWeb.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Ascii.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedLists.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/package-info.java

*
/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava27/Strings.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Equivalence.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/net/package-info.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDTimer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDClock.java
*

/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDComparator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/TimestampSynchronizer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/StringArgGenerator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/NoArgGenerator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDType.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/impl/NameBasedGenerator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/ext/LockedFile.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/impl/UUIDUtil.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDGenerator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/impl/TimeBasedGenerator.java
*
/azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/uuid/ext/FileBasedTimestampSynchronizer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/uuid/Generators.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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  */

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*/
/**
   * Returns the Cartesian norm (2-norm), handling both overflow and underflow.
   * Translation of the minpack enorm subroutine.
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   *
   * @param v Vector of doubles.
   * @return the 2-norm of the vector.
   * @since 2.2
   */
```

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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/math/util/MathArrays.java

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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/net/PercentEscaper.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Joiner.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Ints.java
*
 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Stopwatch.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/CharMatcher.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/internal/Finalizer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Longs.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Doubles.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Booleans.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/Escaper.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FluentIterable.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Converter.java
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/**
   * Sets the retry policy options associated with the DocumentClient instance.
   * <p>
   * Properties in the RetryOptions class allow application to customize the built-in
   * retry policies. This property is optional. When it's not set, the SDK uses the
   * default values for configuring the retry policies. See RetryOptions class for
   * more details.
   *
   * @param throttlingRetryOptions the RetryOptions instance.
   * @return the ConnectionPolicy.
   * @throws IllegalArgumentException thrown if an error occurs
   */

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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableRangeSet.java
*
 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/package-info.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/StandardSystemProperty.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CartesianList.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RangeGwtSerializationDependencies.java
*
 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ArrayListMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/HashMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMultisetGwtSerializationDependencies.java
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*/
/**
* Implementation of the MurmurHash3 32-bit and 128-bit hash functions.
*
* <p>
* MurmurHash is a non-cryptographic hash
 function suitable for general hash-based lookup. The name comes from two basic
* operations, multiply (MU) and rotate (R), used in its inner loop. Unlike cryptographic hash functions, it is not
* specifically designed to be difficult to reverse by an adversary, making it unsuitable for cryptographic purposes.
* </p>
*
* <p>
* This contains a Java port of the 32-bit hash function {@code MurmurHash3_x86_32} and the 128-bit hash
function
* {@code MurmurHash3_x64_128} from Austin Applyby's original {@code c++} code in SMHasher.
* </p>
*
* <p>
* This is public domain code with no copyrights. From home page of
* <a href="https://github.com/aappleby/smhasher">SMHasher</a>:
* </p>
*
* <blockquote> "All MurmurHash versions are public domain software, and the author disclaims all copyright to
their
* code." </blockquote>
*
* <p>
* Original adaption from Apache Hive. That adaption contains a {@code hash64} method that is not part of the
original
* MurmurHash3 code. It is not
 recommended to use these methods. They will be removed in a future release. To obtain a
* 64-bit hash use half of the bits from the {@code hash128x64} methods using the input data converted to bytes.
* <p>
```

```
*
* @see <a href="https://en.wikipedia.org/wiki/MurmurHash">MurmurHash</a>
* @see <a href="https://github.com/aappleby/smhasher/blob/master/src/MurmurHash3.cpp"> Original
MurmurHash3 c++
*      code</a>
* @see <a href=
*      "https://github.com/apache/hive/blob/master/storage-
api/src/java/org/apache/hive/common/util/Murmur3.java">
*      Apache Hive Murmer3</a>
* @since 1.13
*/
```

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jar/com/azure/cosmos/implementation/apachecommons/codec/digest/MurmurHash3.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/TreeRangeSet.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Ticker.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/BoundType.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/EmptyContiguousSet.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Optional.java
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jar/com/azure/cosmos/implementation/guava25/collect/RegularContiguousSet.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Enums.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/ParseRequest.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/math/LongMath.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/UnsignedLongs.java
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* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/AbstractSortedMultiset.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableMultiset.java
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Found in path(s):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/VerifyException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FilteredMultimapValues.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Verify.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Utf8.java
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* <p>
* This produces exactly the same hash values as the final C++
* version of MurmurHash3 and is thus suitable for producing the same hash values across
* platforms.
* <p>
* The 32 bit x86 version of this hash should be the fastest variant for relatively short keys like ids.
* See http://github.com/yonik/java_util for future updates to this file.
*/

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* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/base/FinalizablePhantomReference.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Preconditions.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/base/FinalizableWeakReference.java
*
 /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/base/FinalizableSoftReference.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/HashBiMap.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/base/FinalizableReferenceQueue.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/FinalizableReference.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/package-info.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Function.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Suppliers.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Primitives.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Defaults.java
*

/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Objects.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/AbstractIterator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Predicate.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Interners.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Functions.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Predicates.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Charsets.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Throwables.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/EnumMultiset.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):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMapFauxverideShim.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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  */

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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedMultisets.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMapEntry.java
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jar/com/azure/cosmos/implementation/changefeed/pkversion/PartitionProcessor.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosTriggerResponse.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/CancellationTokenSource.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/faultinjection/RntbdFaultInjectionConnectionCloseEvent.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/ItemDeserializer.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdMetrics.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/patch/PatchOperation.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosAsyncPermission.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/ClientEncryptionKey.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/epkversion/ChangeFeedProcessorImplBase.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosContainerIdentity.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosStoredProcedureProperties.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/ContentSerializationFormat.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/common/ChangeFeedObserverContextImpl.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/Range.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/epkversion/HealthMonitoringPartitionControllerDecorator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/QueryFeedOperationState.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosDatabase.java
*
 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/Bootstrapper.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosContainerProactiveInitConfigBuilder.java

* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/common/ChangeFeedStartFromBeginningImpl.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/GoneAndRetryWithRetryPolicy.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/faultinjection/IFaultInjectorProvider.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/PriorityLevel.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/QueryMetricsUtils.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/SerializationDiagnosticsContext.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/IRequestRecord.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/UniqueKeyPolicy.java
*
/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosAsyncDatabase.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdChannelStatistics.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/throughputControl/controller/group/global/GlobalThroughputControlGroupController.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/throughputControl/ThroughputControlTrackingUnit.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/PartitionLoadBalancer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/epkversion/PartitionProcessorFactoryImpl.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/SqlParameter.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/util/CosmosPagedIterable.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/ChangeFeedContextClient.java
*
/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdRequestTimer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/GatewayServiceConfigurationReader.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/GlobalAddressResolver.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/StoreResponse.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/batch/ItemBulkOperation.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosConflictProperties.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/common/ChangeFeedObserverFactoryImpl.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/PreconditionFailedException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/UInt128.java
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/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/InvalidPartitionException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosDiagnosticsRequestEvent.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/BoolPartitionKeyComponent.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosItemIdentity.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/DocumentProducer.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/PartitionKeyDefinitionVersion.java

* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/LeaseStoreManager.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/clienttelemetry/ClientTelemetryDiagnosticsHandler.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/OffsetContinuationToken.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosDiagnosticsRequestInfo.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/clienttelemetry/ClientMetricsDiagnosticsHandler.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/StoreResult.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/aggregation/SumAggregator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/DiagnosticsClientContext.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/ChangeFeedProcessorBuilder.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/clienttelemetry/ClientTelemetryMetrics.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/IndexingPolicy.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/common/ChangeFeedHelper.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdRequest.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/UndefinedPartitionKeyComponent.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/epkversion/DocumentServiceLeaseUpdaterImpl.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdLoopNativeDetector.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/exceptions/LeaseLostException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/util/CosmosPagedFlux.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/http/HttpClientConfig.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/UnauthorizedException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosAsyncUser.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/aggregation/AggregateOperator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosUserResponse.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/ClientEncryptionIncludedPath.java
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 /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/pkversion/PartitionProcessorFactory.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/ICollectionRoutingMapCache.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/DistinctContinuationToken.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/common/PartitionedByIdCollectionRequestOptionsFactory.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/Database.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/throughputControl/ThroughputControlStore.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/ItemComparator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/ItemType.java

* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/LifeCycleUtils.java
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/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/TriggerOperation.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/http/HttpTimeoutPolicy.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/DirectConnectionConfig.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/ChangeFeedObserver.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdUUID.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/RetryWithException.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/ThroughputResponse.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/IRetryPolicy.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/batch/CosmosItemOperationBase.java
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosPermissionProperties.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosTriggerProperties.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/SingleGroupAggregator.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/QueryCompatibilityMode.java
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/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/Transformer.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/SessionRetryOptionsBuilder.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/NullPartitionKeyComponent.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosAsyncTrigger.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/SessionRetryOptions.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/caches/AsyncLazy.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosDatabaseProperties.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/DocumentServiceRequestContext.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosClientEncryptionKeyResponse.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/OperationType.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/http/HttpTimeoutPolicyDefault.java
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/ChangeFeedProcessorItem.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosContainerProactiveInitConfig.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/IRoutingMapProvider.java
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-
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/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/Paths.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/ChangeFeedObserverFactory.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/IAuthorizationTokenProvider.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/faultinjection/FaultInjectionRequestArgs.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/IndexUtilizationInfo.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdClientChannelPool.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/ParallelDocumentQueryExecutionContextBase.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosBulkExecutionOptions.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/batch/BulkExecutorUtil.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosUserDefinedFunctionProperties.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/FeedResponse.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/metrics/FetchExecutionRange.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/MetadataRequestRetryPolicy.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/AuthorizationTokenProvider.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/StoreReader.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/PartitionKind.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosChangeFeedRequestOptions.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/OpenConnectionResponse.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/query/OrderedDistinctMap.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/routing/CollectionRoutingMap.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/models/CosmosBulkOperations.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/LeaseCheckpointer.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/batch/ServerOperationBatchRequest.java
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/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/EnumUtils.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/math/util/MathUtils.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/apachecommons/math/exception/NotStrictlyPositiveException.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableAsList.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableEnumSet.java
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*
/azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-

jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableSortedSet.java
* /azure-cosmos-4-54-0-sources-1-
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* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSetMultimap.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/DiscreteDomain.java
* /azure-cosmos-4-54-0-sources-1-
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*
/azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/EmptyImmutableSetMultimap.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ComparisonChain.java
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* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ConsumingQueueIterator.java
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```
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/**
   * Sets the retry policy options associated with the DocumentClient instance.
   * <p>
   * Properties in the RetryOptions class allow application to customize the built-in
   * retry policies. This property is optional. When it's not set, the SDK uses the
   * default values for configuring the retry policies.  See RetryOptions class for
   * more details.
   *
   * @param throttlingRetryOptions the RetryOptions instance.
   * @return current CosmosClientBuilder
   * @throws IllegalArgumentException thrown if an error occurs
   */
// NOTE: if changing the logging below - do not log any confidential info like master key credentials etc.
```

Found in path(s):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/CosmosClientBuilder.java
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```
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*/
```

Found in path(s):
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ForwardingSortedMultiset.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMultisetFauxverideShim.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMultiset.java

*
/azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedIterable.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Count.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/AbstractRangeSet.java
* /azure-cosmos-4-54-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableSortedMultiset.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedIterables.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RangeSet.java
* /azure-cosmos-4-54-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/GeneralRange.java

1.382 azure-security-keyvault-keys 4.7.2

1.382.1 Available under license :

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* /azure-security-keyvault-keys-4-7-2-sources-1-
jar/com/azure/security/keyvault/keys/models/ReleaseKeyOptions.java
* /azure-security-keyvault-keys-4-7-2-sources-1-
jar/com/azure/security/keyvault/keys/cryptography/AsymmetricSignatureAlgorithm.java
* /azure-security-keyvault-keys-4-7-2-sources-1-
jar/com/azure/security/keyvault/keys/cryptography/implementation/SecretRequestAttributes.java
* /azure-security-keyvault-keys-4-7-2-sources-1-
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* /azure-security-keyvault-keys-4-7-2-sources-1-
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1.383 go-redis 9.0.2

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1.384 micrometer-core 1.9.17

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 /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/intellij/IntelliJCryptoUtil.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/EnvironmentCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ArcIdentityCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureCliCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AuthenticationRequiredException.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/CredentialUnavailableException.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ManagedIdentityCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/IdentitySslUtil.java

* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ClientSecretCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ChainedTokenCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/InteractiveBrowserCredential.java
*
/azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IdentityClient.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureApplicationCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/MSIToken.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/HttpPipelineAdapter.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/DeviceCodeCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/IdentityConstants.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureAuthorityHosts.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/DeviceCodeCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/intellij/IntelliJKdbxDatabase.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IntelliJAuthMethodDetails.java
*
/azure-identity-1-10-4-sources-1-jar/com/azure/identity/WorkloadIdentityCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IdentityClientBase.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/VirtualMachineMsiCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/WindowsCredentialApi.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/MsalAuthenticationAccount.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/IntelliJCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/WorkloadIdentityCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureDeveloperCliCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/intellij/IntelliJKdbxMetadata.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/IntelliJCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ServiceFabricMsiCredential.java
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/azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/CustomClaimRequest.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AuthenticationRecord.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/IdentityUtil.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/OnBehalfOfCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureDeveloperCliCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/VisualStudioCodeCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/CredentialBuilderBase.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/MsalToken.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/SynchronizedAccessor.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzurePowerShellCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/ManagedIdentityParameters.java
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/azure-identity-1-10-4-sources-1-jar/com/azure/identity/AzureApplicationCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/LoggingUtil.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ChainedTokenCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/EnvironmentCredential.java
* /azure-identity-1-10-4-sources-1-jar/module-info.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AuthorizationCodeCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/OnBehalfOfCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/PersistentTokenCacheImpl.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/DeviceCodeInfo.java

* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/VisualStudioCodeCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/package-info.java
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 /azure-identity-1-10-4-sources-1-jar/com/azure/identity/DefaultAzureCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IdentityClientOptions.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/SynchronousAccessor.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/LinuxKeyRingAccessor.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ManagedIdentityCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/util/ScopeUtil.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/RegionalAuthority.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/BrowserCustomizationOptions.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ClientCertificateCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/WindowsCredentialAccessor.java
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 /azure-identity-1-10-4-sources-1-jar/com/azure/identity/AppServiceMsiCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/UsernamePasswordCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ClientCertificateCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IdentityLogOptionsImpl.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ClientAssertionCredentialBuilder.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/ClientSecretCredential.java
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/ManagedIdentityType.java
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* TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
*/

Found in path(s):
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/intellij/Salsa20.java

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// Copyright (c) Microsoft Corporation. All rights reserved.
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/**
* Configure the time out to use re-use confidential client for. Post time out, a new instance of client is created.
*
* @param clientAssertionTimeout the time out to use for the client assertion configured via
* {@link IdentityClientBuilder#clientAssertionPath(String)}.
* @return the updated IdentityClientBuilder.
*/

Found in path(s):
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/IdentityClientBuilder.java
No license file was found, but licenses were detected in source scan.

/*
* Includes code from the Openkeepass project, which is licensed under Apache-2.0
*
* License Link: https://github.com/cternes/openkeepass/blob/master/LICENSE.txt
* ---
* Note:
*
* The AES implementation taken from the project: https://github.com/cternes/openkeepass
*
* is specifically from the following file:
*
* https://github.com/cternes/openkeepass/blob/master/src/main/java/de/slackspace/openkeepass/crypto/Aes.java
*
* The original idea is modified and refactored to adapt to identity use case.
* ---
*/

Found in path(s):
* /azure-identity-1-10-4-sources-1-jar/com/azure/identity/implementation/intellij/Aes.java

1.387 msal4j 1.13.9

1.387.1 Available under license :

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Manifest-Version: 1.0
Bundle-License: "MIT License"
Bundle-SymbolicName: msal4j
Archiver-Version: Plexus Archiver
Built-By: VssAdministrator
Bnd-LastModified: 1689095005442

Specification-Title: msal4j
Implementation-Vendor-Id: com.microsoft.azure
Bundle-DocURL: https://github.com/AzureAD/microsoft-authentication-lib
rary-for-java
Import-Package: com.fasterxml.jackson.annotation;version="[2.13,3)",co
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e.type;version="[2.13,3)",com.fasterxml.jackson.databind;version="[2.
13,3)",com.fasterxml.jackson.databind.node;version="[2.13,3)",com.nim
busds.common.contenttype;version="[2.2,3)",com.nimbusds.jose;version=
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.jose.util;version="[9.30,10)",com.nimbusds.jwt;version="[9.30,10)",c
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sds.openid.connect.sdk;version="[10.7,11)",com.nimbusds.openid.connec
t.sdk.token;version="[10.7,11)",com.sun.net.httpserver,javax.net.ssl,
javax.xml.namespace,javax.xml.parsers,javax.xml.transform,javax.xml.t
ransform.dom,javax.xml.transform.stream,javax.xml.xpath,net.minidev.j
son;version="[2.4,3)",org.slf4j;version="[1.7,2)",org.w3c.dom
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Bundle-Developers: msopentech;name="Microsoft Open Technologies, Inc."
Export-Package: com.microsoft.aad.msal4j;version="1.13.9";uses:="com.f
asterxml.jackson.annotation,com.nimbusds.oauth2.sdk.auth,com.nimbusds
.oauth2.sdk.http,com.nimbusds.oauth2.sdk.id,javax.net.ssl,org.slf4j"
Bundle-Name: msal4j
Bundle-SCM: url="https://github.com/AzureAD/microsoft-authentication-l
ibrary-for-java",tag=HEAD
Implementation-Title: msal4j
Bundle-Description: Microsoft Authentication Library for Java gives yo
u the ability to obtain tokens from Azure AD v2 (work and school ac
counts, MSA) and Azure AD B2C, gaining access to Microsoft Cloud API
and any other API secured by Microsoft identities
Automatic-Module-Name: com.microsoft.aad.msal4j
Implementation-Version: 1.13.9
Bundle-ManifestVersion: 2
Tool: Bnd-4.3.1.201911131708
Bundle-Version: 1.13.9
Created-By: 1.8.0_372 (Temurin)
Build-Jdk: 1.8.0_372
Specification-Version: 1.13.9

Found in path(s):
* /msal4j-1-13-9-1-jar/META-INF/MANIFEST.MF
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<name>MIT License</name>

Found in path(s):
* /msal4j-1-13-9-1-jar/META-INF/maven/com.microsoft.azure/msal4j/pom.xml
No license file was found, but licenses were detected in source scan.

/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/AbstractClientApplicationBase.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/AcquireTokenByClientCredentialSupplier.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/AcquireTokenByOnBehalfOfSupplier.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/ApiEvent.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/AuthenticationResultSupplier.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/ClientCredentialRequest.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/ConfidentialClientApplication.class: binary file matches
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/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/ConfidentialClientApplication$Builder.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/IConfidentialClientApplication.class:
binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/OnBehalfOfRequest.class: binary file matches
/msal4j-1-13-9-1-jar/com/microsoft/aad/msal4j/TokenRequestExecutor.class: binary file matches

Found in path(s):
* /bin/grep

1.388 azure-storage-blob 12.25.0

1.388.1 Available under license :

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Found in path(s):
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobDownloadResponse.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/BlobAsyncClient.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlockBlobItem.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersCreateHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/PathRenameMode.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/BlobServiceClient.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/DirectoriesSetAccessControlHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobQueryOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlockBlobListBlocksOptions.java
*
/azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/DirectoryHttpHeaders.java
* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/ObjectReplicationRule.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryParquetSerialization.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobImmutabilityPolicy.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobAccessPolicy.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/AppendBlobSealOptions.java
* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/PageListDeserializer.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/UndeleteBlobContainerOptions.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/models/BlobBeginCopySourceRequestConditions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobInputStreamOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/specialized/AppendBlobAsyncClient.java
* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/sas/BlobSasPermission.java
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* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/DeleteSnapshotsOptionType.java
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/PageBlobsImpl.java
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* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-
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/azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/BlobServiceAsyncClient.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/ProgressReporter.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobItem.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/FilterBlobSegment.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ServicesGetUserDelegationKeyHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/PageListHelper.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/PageListSegment.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/QueryFormat.java

* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/ServicesImpl.java
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 /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryArrowField.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/package-info.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobLeaseRequestConditions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobContainerCreateOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobStorageException.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/models/BlobSeekableByteChannelReadResult.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/specialized/StorageSeekableByteChannelBlobReadBehavior.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlobsChangeLeaseHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/ListBlobsOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/StorageError.java
*
 /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/PageRangeItem.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobRange.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/KeyInfo.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/EncryptionScope.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/specialized/package-info.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobContainerItemProperties.java
* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-
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 /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/CpkInfo.java
* /azure-storage-blob-12-25-0-sources-1-
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobServiceStatistics.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersGetAccessPolicyHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/CustomerProvidedKey.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlockBlobStageBlockOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlockBlobOutputStreamOptions.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlobsDeleteImmutabilityPolicyHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/BlockBlobsImpl.java
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/ListBlobsIncludeItem.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlockListType.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ServicesListBlobContainersSegmentNextHeaders.java
* /azure-storage-blob-12-25-0-sources-1-

jar/com/azure/storage/blob/implementation/models/ContainersRestoreHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/LeaseStateType.java
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* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/PublicAccessType.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobAudience.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/StaticWebsite.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/StorageAccountInfo.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryArrowSerialization.java
*
/azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/options/BlockBlobStageBlockFromUrlOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/package-info.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobBreakLeaseOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQuerySerialization.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/PageBlobsUpdateSequenceNumberHeaders.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersListBlobFlatSegmentHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobReleaseLeaseOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/BlobServiceClientBuilder.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/sas/BlobSasServiceVersion.java
*
/azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/specialized/BlobLeaseClientBuilder.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/util/BlobUserAgentModificationPolicy.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersDeleteHeaders.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/InternalBlobLegalHoldResult.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobErrorCode.java
* /azure-storage-blob-12-25-0-sources-1-

jar/com/azure/storage/blob/implementation/models/BlobsDownloadHeaders.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/PageBlobsCopyIncrementalHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobRenewLeaseOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/specialized/PageBlobClient.java
*
/azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/BlobExpiryOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/module-info.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/specialized/StorageSeekableByteChannelBlockBlobWriteBehavior.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/ObjectReplicationPolicy.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersSetMetadataHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryError.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/SequenceNumberActionType.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlobsCopyFromURLHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/Block.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlobsGetTagsHeaders.java
*
/azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlockBlobsCommitBlockListHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobSetTagsOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobContainerListDetails.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/RehydratePriority.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryJsonSerialization.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/models/BlobName.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/ListPageRangesDiffOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/implementation/util/package-info.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/AzureBlobStorageImplBuilder.java
*
/azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobListDetails.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/ContainersSetAccessPolicyHeaders.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobRequestConditions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/options/BlobUploadFromUrlOptions.java
* /azure-storage-blob-12-25-0-sources-1-jar/com/azure/storage/blob/models/BlobQueryResponse.java
* /azure-storage-blob-12-25-0-sources-1-
jar/com/azure/storage/blob/implementation/models/BlobsSetTierHeaders.java

1.389 netty-tcnative-classes 2.0.62.Final

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* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/SessionTicketKey.java
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* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/CertificateCallbackTask.java
* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java
*
/netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodSignTask.java
* /netty-tcnative-classes-2-0-62-final-sources-1-
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java
* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/CertificateVerifierTask.java
* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/SSLPrivateKeyMethodTask.java
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/**

```
   * Set the maximum number of bytes for the certificate chain during handshake.
   * See
   * <a
href="https://www.openssl.org/docs/man1.1.1/man3/SSL_CTX_set_max_cert_list.html">SSL_CTX_set_max_cert_
list</a>
   * for more details.
   * @param ctx context to use
   * @param size the maximum number of bytes
   */
```

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* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/ResultCallback.java
* /netty-tcnative-classes-2-0-62-final-sources-1-jar/io/netty/internal/tcnative/AsyncSSLPrivateKeyMethod.java
*
 /netty-tcnative-classes-2-0-62-final-sources-1-
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1.390 msal4j-persistence-extension 1.2.0

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* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/CrossProcessCacheFileLock.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/mac/ISecurityLibrary.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/mac/KeyChainAccessor.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/CacheFileLockAcquisitionException.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/PersistenceTokenCacheAccessAspect.java
*

/msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/ICacheAccessor.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/mac/KeyChainAccessException.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/linux/KeyRingAccessException.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/CacheFileAccessException.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/linux/KeyRingAccessor.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/linux/ISecurityLibrary.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/linux/GError.java
* /msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/PersistenceSettings.java
*
/msal4j-persistence-extension-1-2-0-sources-3-jar/com/microsoft/aad/msal4jextensions/persistence/linux/SecretSchemaFlags.java

1.391 azure-core 1.45.1

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* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/CookiePolicy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/client/traits/AzureNamedKeyCredentialTrait.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/Configuration.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/JsonPatchOperationKind.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/ServiceVersion.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/tracing/TracerProvider.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/DateTimeSerializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/serializer/JsonSerializerProviders.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/util/tracing/SpanKind.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/tracing/TracerProxy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/IterableStream.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/ConfigurationProperty.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/credential/AzureNamedKey.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/rest/Response.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ReflectionUtilsMethodHandle.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/SyncPoller.java

* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/TelemetryAttributes.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/ContinuablePagedFluxCore.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/FlatteningDeserializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/serializer/JsonSerializer.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/RequestDataConfiguration.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/ObjectMapperFactory.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/serializer/CollectionFormat.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/exception/ResourceNotFoundException.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/exception/TooManyRedirectsException.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ByteCountingWritableByteChannel.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/exception/HttpRequestException.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/DateTimeDeserializer.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/SimpleSyncPoller.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/rest/RestProxy.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/DateTimeRfc1123.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/ServiceInterface.java
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* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/PollingStrategyOptions.java

* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/rest/EncodedParameter.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/DateTimeRfc1123Serializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/ContentType.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/HttpResponseLogger.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/rest/RequestOptions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/LocationPollingStrategy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ReflectionUtils.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/AuthorizationChallengeHandler.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/FormParam.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/PageRetrieverSync.java
* /azure-core-1-45-1-sources-1-jar/module-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/BufferedHttpResponse.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/ContinuablePagedIterable.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/RedirectPolicy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/ContinuablePage.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/util/ListByteBufferContent.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/client/traits/HttpTrait.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/CloudEventDataFormat.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/HttpPolicyProvider.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/ErrorOptions.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/util/BinaryData.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/TypeUtil.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/GeoJsonDeserializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/MessageContent.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/UnexpectedResponseExceptionType.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/ReturnValueWireType.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/util/EnvironmentConfiguration.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/GeoBoundingBox.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/JacksonJsonReader.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/JacksonVersion.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/package-info.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ReflectiveInvoker.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/credential/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/AsynchronousByteChannelWriteSubscriber.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/util/StringContent.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/tracing/TracingLink.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/serializer/HttpResponseHeaderDecoder.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/SyncChainedPollingStrategy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/logging/LoggingKeys.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/BufferedFluxByteBuffer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/ChainedPollingStrategy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/BeforeRetryPolicyProvider.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/Host.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/builder/package-info.java

* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/Head.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/HttpRequestLogger.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/LongRunningOperationStatus.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/GeoObjectHelper.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/HttpPipelineCallState.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/RestProxyBase.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/PercentEscaper.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/DefaultPollingStrategy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/HttpRequestLoggingContext.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/JsonPatchOperation.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/ServiceClient.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/XmlMapperFactory.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/HttpPipeline.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/client/traits/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/ConfigurationPropertyBuilder.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/serializer/HttpResponseDecodeData.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/HeaderParam.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/cryptography/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/logging/DefaultLogger.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ImplUtils.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/GeoPolygon.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/CloudEvent.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/HeaderCollectionHandler.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/SemanticVersion.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/ContinuablePagedFlux.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/RetryPolicy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/LengthValidatingInputStream.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/io/IOUtils.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/JacksonJsonWriter.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/ResponseConstructorsCache.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/DefaultRedirectStrategy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/UserAgentPolicy.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/FixedDelayOptions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/ExponentialBackoffOptions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/NoopConfiguration.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/util/ReferenceManagerImpl.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/credential/AzureSasCredential.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/MatchConditions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/ResponseError.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/metrics/LongGauge.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/logging/LoggingUtils.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/metrics/DoubleHistogram.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/paging/ContinuablePagedByIteratorBase.java

*
/azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/ReflectionUtilsApi.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/ProxyOptions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/ProgressReporter.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/annotation/ReturnType.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/serializer/HttpResponseBodyDecoder.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/TracingOptions.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/HttpResponse.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/AsyncCloseable.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/CoreUtils.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/Substitution.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/metrics/LongCounter.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/JsonSerializableSerializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/tracing/DefaultTracerProvider.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/UrlTokenType.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/serializer/HttpResponseDecoder.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/PollerFlux.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/AzureKeyCredentialPolicy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/DurationSerializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/FixedDelay.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/exception/UnexpectedLengthException.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/serializer/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/models/GeoArray.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/models/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/AzureSasCredentialPolicy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/serializer/ItemPage.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/http/policy/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/http/rest/AsyncRestProxy.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/package-info.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/BinaryDataDeserializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/util/polling/PollOperationDetails.java
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```
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/**
* Indicates functionality that is in preview and as such is subject to change in non-backwards compatible ways in
* future releases, including removal, regardless of any compatibility expectations set by the containing library
* version.
*
*  Examples:
*
*  {@literal @}Beta
*  {@literal @}Beta(since="v1.0.0")
*  {@literal @}Beta(since="v1.2.0", reason="the feature is in preview")
```

* {@literal @}Beta("introducing Foo which eventually replaces Bar")
*/

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* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/annotation/Beta.java
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* /azure-core-1-45-1-sources-1-jar/META-INF/maven/com.azure/azure-core/pom.xml
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*/

Found in path(s):
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionSerializer.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionBeanPropertyWriter.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionTypeModifier.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionModule.java
*
/azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionPropertiesModifier.java
* /azure-core-1-45-1-sources-1-jar/com/azure/core/implementation/jackson/OptionSerializerProvider.java

1.392 azure-core-http-netty 1.13.11

1.392.1 Available under license :

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*
*/

Found in path(s):
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/HttpProxyHandler.java
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Found in path(s):
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/NettyAsyncHttpResponseBase.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/NettyAsyncHttpClientBuilder.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/NettyToAzureCoreHttpHeadersWrapper.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/ChallengeHolder.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/NettyAsyncHttpBufferedResponse.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/NettyAsyncHttpResponse.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/ResponseTimeoutHandler.java
*
 /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/NettyAsyncHttpClient.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/ExceptionThrowingConsumer.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/ReadTimeoutHandler.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/package-info.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/package-info.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/NettyAsyncHttpClientProvider.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/WriteTimeoutHandler.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/Utility.java
* /azure-core-http-netty-1-13-11-sources-1-jar/module-info.java
* /azure-core-http-netty-1-13-11-sources-1-

jar/com/azure/core/http/netty/implementation/RequestProgressReportingHandler.java
*
/azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/RequestProxyState.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/DeferredCacheImmutableMap.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/ByteBufWriteSubscriber.java
* /azure-core-http-netty-1-13-11-sources-1-jar/com/azure/core/http/netty/implementation/AzureSdkHandler.java
* /azure-core-http-netty-1-13-11-sources-1-
jar/com/azure/core/http/netty/implementation/AzureNettyHttpClientContext.java
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Found in path(s):
* /azure-core-http-netty-1-13-11-sources-1-jar/META-INF/maven/com.azure/azure-core-http-netty/pom.xml

1.393 azure-storage-internal-avro 12.10.0

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Found in path(s):
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroNullSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroObject.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroMapSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/AvroSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroLongSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroDoubleSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroStringSchema.java
*
/azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroUnionSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-

jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroEnumSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroFixedSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-jar/module-info.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/file/AvroHeaderSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/AvroRecordField.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroIntegerSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/AvroType.java
*
/azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroRecordSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/AvroCompositeSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroReader.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroConstants.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroParserState.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroBooleanSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-jar/com/azure/storage/internal/avro/implementation/package-info.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/AvroSimpleSchema.java
*
/azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/file/AvroBlockSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroFloatSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroParser.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/complex/AvroArraySchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/schema/primitive/AvroBytesSchema.java
* /azure-storage-internal-avro-12-10-0-sources-1-
jar/com/azure/storage/internal/avro/implementation/AvroReaderFactory.java

1.394 azure-storage-common 12.24.0

1.394.1 Available under license :

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Found in path(s):
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/BufferAggregator.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/StorageImplUtils.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/PayloadSizeGate.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/credentials/package-info.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/AccountSasService.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/StorageOutputStream.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/AccountSasPermission.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/AccountSasResourceType.java
*
/azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/policy/RetryPolicyType.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/connectionstring/StorageConnectionString.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/ProgressReporter.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/StorageSharedKeyCredential.java
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* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/connectionstring/StorageEndpoint.java
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* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/credentials/CredentialValidator.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/connectionstring/ConnectionSettings.java
*
/azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/SasIpRange.java
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* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/policy/package-info.java
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* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/connectionstring/ConnectionSettingsFilter.java
*

/azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/policy/RequestRetryOptions.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/policy/ResponseValidationPolicyBuilder.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/policy/StorageSharedKeyCredentialPolicy.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/AccountSasSignatureValues.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/implementation/connectionstring/StorageAuthenticationSettings.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/ProgressReceiver.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/Constants.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/StorageInputStream.java
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*
/azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/BufferStagingArea.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/implementation/ByteBufferMarkableInputStream.java
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jar/com/azure/storage/common/implementation/StorageSeekableByteChannel.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/BuilderUtils.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/implementation/connectionstring/StorageEmulatorConnectionString.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/policy/MetadataValidationPolicy.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/package-info.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/TimeAndFormat.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/sas/BaseSasQueryParameters.java
*
/azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/implementation/FluxInputStream.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/ParallelTransferOptions.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/policy/ServiceTimeoutPolicy.java
* /azure-storage-common-12-24-0-sources-1-jar/com/azure/storage/common/policy/package-info.java
* /azure-storage-common-12-24-0-sources-1-
jar/com/azure/storage/common/implementation/policy/SasTokenCredentialPolicy.java
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   */

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1.395 azure-keyvault-secrets 4.8.0

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1.396 cachecontrol 0.14.2

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1.397 log4j-to-slf4j 2.24.3

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1.398 jna-platform 5.15.0

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/**
   * <code>
   BOOL WINAPI CreateProcessWithLogonW(
   _In_        LPCWSTR lpUsername,
   _In_opt_    LPCWSTR lpDomain,
   _In_        LPCWSTR lpPassword,
   _In_        DWORD dwLogonFlags,
    _In_opt_    LPCWSTR lpApplicationName,
   _Inout_opt_  LPWSTR lpCommandLine,
   _In_        DWORD dwCreationFlags,
   _In_opt_    LPVOID lpEnvironment,
   _In_opt_    LPCWSTR lpCurrentDirectory,
   _In_        LPSTARTUPINFOW lpStartupInfo,
   _Out_       LPPROCESS_INFORMATION lpProcessInfo
   );
   * </code>
   *
   * @param lpUsername
   *          [in]<br>
```

```
     *          The name of the user. This is the name of the user account to
     *          log on to. <br>
     *          If you use the UPN format, user@DNS_domain_name, the lpDomain
     *          parameter must be NULL.<br>
     *          The user account must have the Log On Locally permission on
     *          the local computer. <br>
     *          This permission is granted to all users on workstations and
     *          servers, but only to administrators on domain controllers.
     * @param lpDomain
     *          [in, optional]<br>
     *
The name of the domain or server whose account database
     *          contains the lpUsername account. <br>
     *          If this parameter is NULL, the user name must be specified in
     *          UPN format.
     * @param lpPassword
     *          [in]<br>
     *          The clear-text password for the lpUsername account.
     * @param dwLogonFlags
     *          [in]<br>
     *          The logon option. This parameter can be 0 (zero) or one of the
     *          following values. <br>
     *          LOGON_WITH_PROFILE: 0x00000001<br>
     *          Log on, then load the user profile in the HKEY_USERS registry
     *          key.<br>
     *          The function returns after the profile is loaded. <br>
     *          Loading the profile can be time-consuming, so it is best to
     *          use this value only if you must access the information in the
     *          HKEY_CURRENT_USER registry key.<br>
     *          Windows Server 2003:
The profile is unloaded after the new
     *          process is terminated, whether or not it has created child
     *          processes.<br>
     *          Windows XP: The profile is unloaded after the new process and
     *          all child processes it has created are terminated.<br>
     *          <br>
     *          LOGON_NETCREDENTIALS_ONLY: 0x00000002<br>
     *          Log on, but use the specified credentials on the network only.
     *          <br>
     *          The new process uses the same token as the caller, but the
     *          system creates a new logon session within LSA, and the process
     *          uses the specified credentials as the default credentials.
     *          <br>
     *          This value can be used to create a process that uses a
     *          different set of credentials locally than it does remotely.
     *          <br>
     *          This is useful in inter-domain scenarios where there is no
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     *          trust relationship.<br>
     *          The system does not validate the specified credentials.<br>
     *          Therefore, the process can start, but it may not have access
     *          to network resources.
     * @param lpApplicationName
     *          [in, optional]<br>
     *          The name of the module to be executed. This module can be a
     *          Windows-based application.<br>
     *          It can be some other type of module (for example, MS-DOS or
     *          OS/2) if the appropriate subsystem is available on the local
     *          computer. The string can specify the full path and file name
     *          of the module to execute or it can specify a partial name.
     *          <br>
     *          If it is a partial name, the function uses the current drive
     *          and current directory to complete the specification. <br>
     *          The function does not use the search path. This parameter
must
     *          include the file name extension; no default extension is
     *          assumed. The lpApplicationName parameter can be NULL, and the
     *          module name must be the first white space-delimited token in
     *          the lpCommandLine string.<br>
     *          If you are using a long file name that contains a space, use
     *          quoted strings to indicate where the file name ends and the
     *          arguments begin; otherwise, the file name is ambiguous. For
     *          example, the following string can be interpreted in different
     *          ways:<br>
     *          "c:\program files\sub dir\program name"<br>
     *          The system tries to interpret the possibilities in the
     *          following order:<br>
     *          <br>
     *          c:\program.exe files\sub dir\program name<br>
     *          c:\program files\sub.exe dir\program name<br>
     *          c:\program files\sub dir\program.exe
name<br>
     *          c:\program files\sub dir\program name.exe<br>
     *          <br>
     *          If the executable module is a 16-bit application,
     *          lpApplicationName should be NULL, and the string pointed to by
     *          lpCommandLine should specify the executable module and its
     *          arguments.
     * @param lpCommandLine
     *          [in, out, optional]<br>
     *          The command line to be executed. The maximum length of this
     *          string is 1024 characters. <br>
     *          If lpApplicationName is NULL, the module name portion of
     *          lpCommandLine is limited to MAX_PATH characters.<br>
     *          The function can modify the contents of this string. <br>
     *          Therefore, this parameter cannot be a pointer to read-only
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   *         memory (such as a const variable or a literal string).<br>
   *         If this parameter is a constant string, the
function may cause
   *         an access violation.<br>
   *         The lpCommandLine parameter can be NULL, and the function uses
   *         the string pointed to by lpApplicationNameas the command line.
   *         <br>
   *         <br>
   *         If both lpApplicationName and lpCommandLine are non-NULL,
   *         *lpApplicationName specifies the module to execute, and
   *         *lpCommandLine specifies the command line.<br>
   *         The new process can use GetCommandLine to retrieve the entire
   *         command line.<br>
   *         Console processes written in C can use the argc and argv
   *         arguments to parse the command line. <br>
   *         Because argv[0] is the module name, C programmers typically
   *         repeat the module name as the first token in the command line.
   *         <br>
   *         If lpApplicationName is NULL, the first white space-delimited

   *         token of the command line specifies the module name.<br>
   *         If you are using a long file name that contains a space, use
   *         quoted strings to indicate where the file name ends and the
   *         arguments begin (see the explanation for the lpApplicationName
   *         parameter). If the file name does not contain an extension,
   *         .exe is appended. Therefore, if the file name extension is
   *         .com, this parameter must include the .com extension. If the
   *         file name ends in a period with no extension, or if the file
   *         name contains a path, .exe is not appended. If the file name
   *         does not contain a directory path, the system searches for the
   *         executable file in the following sequence:<br>
   *         <br>
   *         1. The directory from which the application loaded.<br>
   *         2. The current directory for the parent
process.<br>
   *         3. The 32-bit Windows system directory. Use the
   *         GetSystemDirectory function to get the path of this directory.
   *         <br>
   *         4. The 16-bit Windows system directory. There is no function
   *         that obtains the path of this directory, but it is searched.
   *         <br>
   *         5. The Windows directory. Use the GetWindowsDirectory function
   *         to get the path of this directory.<br>
   *         6. The directories that are listed in the PATH environment
   *         variable. Note that this function does not search the
   *         per-application path specified by the App Paths registry key.
   *         To include this per-application path in the search sequence,
   *         use the ShellExecute function.<br>
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     *          <br>
     *          The system adds a null character to the command line string to
     *          separate the
    file name from the arguments. This divides the
     *          original string into two strings for internal processing.<br>
     * @param dwCreationFlags
     *          The flags that control how the process is created. <br>
     *          The CREATE_DEFAULT_ERROR_MODE, CREATE_NEW_CONSOLE, and
     *          CREATE_NEW_PROCESS_GROUP flags are enabled by default. <br>
     *          Even if you do not set the flag, the system functions as if it
     *          were set. You can specify additional flags as noted.<br>
     *          <br>
     *          CREATE_DEFAULT_ERROR_MODE: 0x04000000<br>
     *          The new process does not inherit the error mode of the calling
     *          process. <br>
     *          Instead, CreateProcessWithLogonW gives the new process the
     *          current default error mode. <br>
     *          An application sets the current default error mode by calling
     *          SetErrorMode. This flag is enabled by
    default.<br>
     *          <br>
     *          CREATE_NEW_CONSOLE: 0x00000010<br>
     *          The new process has a new console, instead of inheriting the
     *          parent's console. This flag cannot be used with the
     *          DETACHED_PROCESS flag.<br>
     *          This flag is enabled by default.<br>
     *          <br>
     *          CREATE_NEW_PROCESS_GROUP: 0x00000200<br>
     *          The new process is the root process of a new process group.
     *          <br>
     *          The process group includes all processes that are descendants
     *          of this root process.<br>
     *          The process identifier of the new process group is the same as
     *          the process identifier, which is returned in the lpProcessInfo
     *          parameter.<br>
     *          Process groups are used by the GenerateConsoleCtrlEvent
     *          function to enable sending a CTRL+C or CTRL+BREAK signal to a
     *
            group of console processes.<br>
     *          This flag is enabled by default.<br>
     *          <br>
     *          CREATE_SEPARATE_WOW_VDM: 0x00000800<br>
     *          This flag is only valid starting a 16-bit Windows-based
     *          application.<br>
     *          If set, the new process runs in a private Virtual DOS Machine
     *          (VDM).<br>
     *          By default, all 16-bit Windows-based applications run in a
     *          single, shared VDM.<br>
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     *          The advantage of running separately is that a crash only
     *          terminates the single VDM; any other programs running in
     *          distinct VDMs continue to function normally.<br>
     *          Also, 16-bit Windows-based applications that run in separate
     *          VDMs have separate input queues, which means that if one
     *          application stops responding momentarily, applications in
     *          separate VDMs continue
    to receive input. <br>
     *          CREATE_SUSPENDED: 0x00000004<br>
     *          The primary thread of the new process is created in a
     *          suspended state, and does not run until the ResumeThread
     *          function is called.<br>
     *          <br>
     *          CREATE_UNICODE_ENVIRONMENT: 0x00000400<br>
     *          Indicates the format of the lpEnvironment parameter.<br>
     *          If this flag is set, the environment block pointed to by
     *          lpEnvironment uses Unicode characters. <br>
     *          Otherwise, the environment block uses ANSI characters. <br>
     *          EXTENDED_STARTUPINFO_PRESENT: 0x00080000<br>
     *          The process is created with extended startup information; the
     *          lpStartupInfo parameter specifies a STARTUPINFOEX structure.
     *          <br>
     *          Windows Server 2003 and Windows XP: This value is not
     *          supported.<br>
     * @param
    lpEnvironment
     *          [in, optional]<br>
     *          A pointer to an environment block for the new process.<br>
     *          If this parameter is NULL, the new process uses an environment
     *          created from the profile of the user specified by lpUsername.
     *          An environment block consists of a null-terminated block of
     *          null-terminated strings.<br>
     *          Each string is in the following form:<br>
     *          name=value<br>
     *          Because the equal sign (=) is used as a separator, it must not
     *          be used in the name of an environment variable.<br>
     *          An environment block can contain Unicode or ANSI characters.
     *          <br>
     *          If the environment block pointed to by lpEnvironment contains
     *          Unicode characters, ensure that dwCreationFlags includes
     *          CREATE_UNICODE_ENVIRONMENT.<br>
     *          If this parameter
    is NULL and the environment block of the
     *          parent process contains Unicode characters, you must also
     *          ensure that dwCreationFlags includes
     *          CREATE_UNICODE_ENVIRONMENT.<br>
     *          An ANSI environment block is terminated by two 0 (zero) bytes:
     *          one for the last string and one more to terminate the block.
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     *          <br>
     *          A Unicode environment block is terminated by four zero bytes:
     *          two for the last string and two more to terminate the block.
     *          <br>
     *          To retrieve a copy of the environment block for a specific
     *          user, use the CreateEnvironmentBlock function.<br>
     * @param lpCurrentDirectory
     *          [in, optional]<br>
     *          The full path to the current directory for the process.<br>
     *          The string can also specify a UNC path.<br>
     *          If this parameter is NULL, the new
process has the same
     *          current drive and directory as the calling process.<br>
     *          This feature is provided primarily for shells that need to
     *          start an application, and specify its initial drive and
     *          working directory.<br>
     * @param lpStartupInfo
     *          [in]<br>
     *          A pointer to a STARTUPINFO or STARTUPINFOEX structure. <br>
     *          The application must add permission for the specified user
     *          account to the specified window station and desktop, even for
     *          WinSta0\Default.<br>
     *          If the lpDesktop member is NULL or an empty string, the new
     *          process inherits the desktop and window station of its parent
     *          process.<br>
     *          The application must add permission for the specified user
     *          account to the inherited window station and desktop.<br>
     *          Windows XP: CreateProcessWithLogonW
adds permission for the
     *          specified user account to the inherited window station and
     *          desktop.<br>
     *          Handles in STARTUPINFO or STARTUPINFOEX must be closed with
     *          CloseHandle when they are no longer needed.<br>
     *          Important If the dwFlags member of the STARTUPINFO structure
     *          specifies STARTF_USESTDHANDLES, the standard handle fields are
     *          copied unchanged to the child process without validation.<br>
     *          The caller is responsible for ensuring that these fields
     *          contain valid handle values. Incorrect values can cause the
     *          child process to misbehave or crash.<br>
     *          Use the Application Verifier runtime verification tool to
     *          detect invalid handles.
     * @param lpProcessInfo
     *          [out]<br>
     *          A pointer to a PROCESS_INFORMATION structure that receives
     *
          identification information for the new process, including a
     *          handle to the process.<br>
     *          Handles in PROCESS_INFORMATION must be closed with the
```

```
   *          CloseHandle function when they are not needed.<br>
   * @return If the function succeeds, the return value is nonzero.<br>
   *       If the function fails, the return value is 0 (zero).<br>
   *       To get extended error information, call GetLastError.<br>
   *       Note that the function returns before the process has finished
   *       initialization.<br>
   *       If a required DLL cannot be located or fails to initialize, the
   *       process is terminated.<br>
   *       To get the termination status of a process, call
   *       GetExitCodeProcess.
   * @see <a href="http://msdn.microsoft.com/en-
us/library/windows/desktop/ms682431%28v=vs.85%29.aspx">MSDN</a>
   */
```

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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/GDI32.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/W32FileMonitor.java
*

/jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/NTStatus.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/unix/X11.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinNT.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/W32FileUtils.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/dnd/DropHandler.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/KeyboardUtils.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/FileUtils.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/dnd/GhostedDragImage.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Wincon.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/LMErr.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/dnd/DragHandler.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/dnd/DropTargetPainter.java
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*
/jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IMoniker.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/EnumMoniker.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/ComThread.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/RunningObjectTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComEventCallback.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComInterface.java

* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/DispatchListener.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IPersist.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IConnectionPoint.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/Factory.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IDispatchCallback.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComProperty.java
*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/ProxyObject.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IRunningObjectTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IUnknownCallback.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IPersistStream.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IComEventCallbackListener.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/RunningObjectTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IComEnum.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IStream.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/Moniker.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IRawDispatchHandle.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IComEventCallbackCookie.java
*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/UnknownListener.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/EnumMoniker.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IConnectionPointContainer.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/UnknownVTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/Convert.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/ObjectFactory.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IEnumMoniker.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/CallbackProxy.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IUnknown.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComMethod.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IConnectionPointContainer.java
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 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/IDispatch.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/annotation/ComObject.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/AbstractComEventCallbackListener.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/ConnectionPoint.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/ConnectionPointContainer.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/DispatchVTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/util/ComEventCallbackCookie.java
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 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/ShlObj.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Guid.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/ShellAPI.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Secur32Util.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Ole32.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinDef.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Netapi32.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinGDI.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/NTSecApi.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Netapi32Util.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/LMAccess.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinCrypt.java
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 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/NtDll.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Advapi32Util.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Wdm.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Winspool.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/BaseTSD.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinBase.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/LMCons.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Crypt32.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Secur32.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbBase.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/TypeLibUtil.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionDispId.java
*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbParameterNotFoundException.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/TypeInfoUtil.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbPropertyGet.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbPropertyGetStub.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionVTable.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbConst.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/FlagEnum.java
*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/PhysicalMonitorEnumerationAPI.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/LowLevelMonitorConfigurationAPI.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/EnumConverter.java
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* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/DBT.java
*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/RecordInfo.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/ITypeLib.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/Wtsapi32.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/TypeInfo.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/COMLateBindingObject.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/COMBindingBaseObject.java

* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/ITypeComp.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/Dispatch.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/TypeComp.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IRecordInfo.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/ITypeInfo.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IUnknown.java
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/jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/TypeLib.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/Unknown.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IDispatch.java
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// MessageId: ERROR_DS_CONFIDENTIALITY_REQUIRED
// version.

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*
 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/COM/IComEnumVariantIterator.java
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 /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/GL.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/OpenGL32Util.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/win32/WinRas.java
* /jna-platform-5-15-0-sources-jar/com/sun/jna/platform/wince/CoreDLL.java
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1.399 checksums-spi 2.25.64

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1.429 bouncy-castle 1.80

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Found in path(s):
* /wscf11-4-17-7-final-redhat-4-jar/META-INF/maven/org.jboss.jbossts.xts/wscf11/effective-pom.xml

1.430 java™ native access 5

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1.431 jackson-annotations 2.16.2

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Jackson JSON processor

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1.432 python-certifi 2025.01.31

1.432.1 Available under license :

This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.433 boto3 1.34.145

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1.434 botocore 1.34.145

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 Dedicated Host, or all of these), license affinity to host (how long a license must be associated with a host), and the number of licenses purchased and used.</p>"
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  {"shape":"RateLimitExceededException"}
 ],
 "documentation":"<p>Creates a new version of the specified license.</p>"
},
"CreateToken":{
 "name":"CreateToken",
 "http":{
  "method":"POST",
  "requestUri":"/"
 },
 "input":{"shape":"CreateTokenRequest"},
 "output":{"shape":"CreateTokenResponse"},
 "errors":[
  {"shape":"ValidationException"},
```

```
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"RedirectException"}
    ],
    "documentation":"<p>Creates a long-lived
 token.</p> <p>A refresh token is a JWT token used to get an access token. With an access token, you can call AssumeRoleWithWebIdentity to get role credentials that you can use to call License Manager to manage the specified license.</p>"
  },
  "DeleteGrant":{
    "name":"DeleteGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteGrantRequest"},
    "output":{"shape":"DeleteGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Deletes the specified grant.</p>"
  },
  "DeleteLicense":{
    "name":"DeleteLicense",
    "http":{
      "method":"POST",
      "requestUri":"/"
     },
    "input":{"shape":"DeleteLicenseRequest"},
    "output":{"shape":"DeleteLicenseResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"RedirectException"},
      {"shape":"ConflictException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
```

```
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Deletes the specified license.</p>"
  },
  "DeleteLicenseConfiguration":{
    "name":"DeleteLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseConfigurationRequest"},
    "output":{"shape":"DeleteLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
       {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Deletes the specified license configuration.</p> <p>You cannot delete a license configuration that is in use.</p>"
  },
  "DeleteLicenseManagerReportGenerator":{
    "name":"DeleteLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"DeleteLicenseManagerReportGeneratorRequest"},
    "output":{"shape":"DeleteLicenseManagerReportGeneratorResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Deletes the specified report generator.</p> <p>This action deletes the report generator, which stops it from generating future reports. The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
  },
  "DeleteToken":{
    "name":"DeleteToken",
    "http":{
      "method":"POST",
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```
    "requestUri":"/"
   },
   "input":{"shape":"DeleteTokenRequest"},
   "output":{"shape":"DeleteTokenResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"RedirectException"}
   ],
   "documentation":"<p>Deletes the specified token. Must be called in the license home Region.</p>"
  },
  "ExtendLicenseConsumption":{
   "name":"ExtendLicenseConsumption",
   "http":{
    "method":"POST",
    "requestUri":"/"
    },
   "input":{"shape":"ExtendLicenseConsumptionRequest"},
   "output":{"shape":"ExtendLicenseConsumptionResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"ResourceNotFoundException"}
   ],
   "documentation":"<p>Extends the expiration date for license consumption.</p>"
  },
  "GetAccessToken":{
   "name":"GetAccessToken",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"GetAccessTokenRequest"},
   "output":{"shape":"GetAccessTokenResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
```

```
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets a temporary access token to use with AssumeRoleWithWebIdentity. Access tokens are valid for one hour.</p>"
  },
  "GetGrant":{
    "name":"GetGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetGrantRequest"},
    "output":{"shape":"GetGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed information about the specified grant.</p>"
  },
  "GetLicense":{
    "name":"GetLicense",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseRequest"},
     "output":{"shape":"GetLicenseResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Gets detailed information about the specified license.</p>"
  },
  "GetLicenseConfiguration":{
    "name":"GetLicenseConfiguration",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
```

```
    "input":{"shape":"GetLicenseConfigurationRequest"},
    "output":{"shape":"GetLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets detailed
information about the specified license configuration.</p>"
  },
  "GetLicenseConversionTask":{
    "name":"GetLicenseConversionTask",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseConversionTaskRequest"},
    "output":{"shape":"GetLicenseConversionTaskResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Gets information about the specified license type conversion task.</p>"
  },
  "GetLicenseManagerReportGenerator":{
    "name":"GetLicenseManagerReportGenerator",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"GetLicenseManagerReportGeneratorRequest"},
    "output":{"shape":"GetLicenseManagerReportGeneratorResponse"},
     "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Gets information about the specified report generator.</p>"
```

```
},
"GetLicenseUsage":{
  "name":"GetLicenseUsage",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetLicenseUsageRequest"},
  "output":{"shape":"GetLicenseUsageResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
   ],
  "documentation":"<p>Gets detailed information about the usage of the specified license.</p>"
},
"GetServiceSettings":{
  "name":"GetServiceSettings",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"GetServiceSettingsRequest"},
  "output":{"shape":"GetServiceSettingsResponse"},
  "errors":[
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Gets the License Manager settings for the current Region.</p>"
},
"ListAssociationsForLicenseConfiguration":{
  "name":"ListAssociationsForLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListAssociationsForLicenseConfigurationRequest"},
  "output":{"shape":"ListAssociationsForLicenseConfigurationResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
```

```
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the resource associations for the specified license configuration.</p> <p>Resource associations need not consume licenses from a license configuration. For example, an AMI or a stopped instance might not consume a license (depending on the license rules).</p>"
  },
  "ListDistributedGrants":{
    "name":"ListDistributedGrants",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListDistributedGrantsRequest"},
    "output":{"shape":"ListDistributedGrantsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
      {"shape":"ResourceLimitExceededException"},
       {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the grants distributed for the specified license.</p>"
  },
  "ListFailuresForLicenseConfigurationOperations":{
    "name":"ListFailuresForLicenseConfigurationOperations",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListFailuresForLicenseConfigurationOperationsRequest"},
    "output":{"shape":"ListFailuresForLicenseConfigurationOperationsResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists the license configuration operations that failed.</p>"
  },
  "ListLicenseConfigurations":{
    "name":"ListLicenseConfigurations",
    "http":{
      "method":"POST",
      "requestUri":"/"
```

```
  },
  "input":{"shape":"ListLicenseConfigurationsRequest"},
  "output":{"shape":"ListLicenseConfigurationsResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"FilterLimitExceededException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the license configurations for your account.</p>"
},
"ListLicenseConversionTasks":{
  "name":"ListLicenseConversionTasks",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseConversionTasksRequest"},
  "output":{"shape":"ListLicenseConversionTasksResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the license type conversion tasks for your account.</p>"
},
"ListLicenseManagerReportGenerators":{
  "name":"ListLicenseManagerReportGenerators",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListLicenseManagerReportGeneratorsRequest"},
  "output":{"shape":"ListLicenseManagerReportGeneratorsResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"AccessDeniedException"},
    {"shape":"ResourceNotFoundException"}
```

```
    ],
    "documentation":"<p>Lists the report generators for your account.</p>"
  },
  "ListLicenseSpecificationsForResource":{
    "name":"ListLicenseSpecificationsForResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicenseSpecificationsForResourceRequest"},
    "output":{"shape":"ListLicenseSpecificationsForResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Describes the license configurations for the specified resource.</p>"
  },
  "ListLicenseVersions":{
    "name":"ListLicenseVersions",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicenseVersionsRequest"},
    "output":{"shape":"ListLicenseVersionsResponse"},
     "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Lists all versions of the specified license.</p>"
  },
  "ListLicenses":{
    "name":"ListLicenses",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"ListLicensesRequest"},
    "output":{"shape":"ListLicensesResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
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{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"},
{"shape":"ServerInternalException"}
],
"documentation":" Lists the licenses for your account. "
},
"ListReceivedGrants":{
"name":"ListReceivedGrants",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListReceivedGrantsRequest"},
"output":{"shape":"ListReceivedGrantsResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],
"documentation":" Lists grants that are received. Received grants are grants created while specifying the recipient as this Amazon Web Services account, your organization, or an organizational unit (OU) to which this member account belongs. "
},
"ListReceivedGrantsForOrganization":{
"name":"ListReceivedGrantsForOrganization",
"http":{
"method":"POST",
"requestUri":"/"
},
"input":{"shape":"ListReceivedGrantsForOrganizationRequest"},
"output":{"shape":"ListReceivedGrantsForOrganizationResponse"},
"errors":[
{"shape":"ValidationException"},
{"shape":"InvalidParameterValueException"},
{"shape":"ResourceLimitExceededException"},
{"shape":"ServerInternalException"},
{"shape":"AuthorizationException"},
{"shape":"AccessDeniedException"},
{"shape":"RateLimitExceededException"}
],
"documentation":" Lists the grants received for all accounts in the organization. "
},
"ListReceivedLicenses":{

```
  "name":"ListReceivedLicenses",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesRequest"},
  "output":{"shape":"ListReceivedLicensesResponse"},
  "errors":[
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    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
     {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists received licenses.</p>"
},
"ListReceivedLicensesForOrganization":{
  "name":"ListReceivedLicensesForOrganization",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListReceivedLicensesForOrganizationRequest"},
  "output":{"shape":"ListReceivedLicensesForOrganizationResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
    {"shape":"ResourceLimitExceededException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Lists the licenses received for all accounts in the organization.</p>"
},
"ListResourceInventory":{
   "name":"ListResourceInventory",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"ListResourceInventoryRequest"},
  "output":{"shape":"ListResourceInventoryResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
```

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    {"shape":"FilterLimitExceededException"},
    {"shape":"FailedDependencyException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists resources managed using Systems Manager inventory.</p>"
  },
  "ListTagsForResource":{
   "name":"ListTagsForResource",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListTagsForResourceRequest"},
   "output":{"shape":"ListTagsForResourceResponse"},
   "errors":[
    {"shape":"InvalidParameterValueException"},
     {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
   ],
   "documentation":"<p>Lists the tags for the specified license configuration.</p>"
  },
  "ListTokens":{
   "name":"ListTokens",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
   "input":{"shape":"ListTokensRequest"},
   "output":{"shape":"ListTokensResponse"},
   "errors":[
    {"shape":"ValidationException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
    {"shape":"ServerInternalException"}
   ],
   "documentation":"<p>Lists your tokens.</p>"
  },
  "ListUsageForLicenseConfiguration":{
   "name":"ListUsageForLicenseConfiguration",
   "http":{
    "method":"POST",
    "requestUri":"/"
   },
```

```
    "input":{"shape":"ListUsageForLicenseConfigurationRequest"},
     "output":{"shape":"ListUsageForLicenseConfigurationResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"FilterLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Lists all license usage records for a license configuration, displaying license consumption details by resource at a selected point in time. Use this action to audit the current license consumption for any license inventory and configuration.</p>"
  },
  "RejectGrant":{
    "name":"RejectGrant",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"RejectGrantRequest"},
    "output":{"shape":"RejectGrantResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"InvalidParameterValueException"},
       {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"},
      {"shape":"ResourceLimitExceededException"},
      {"shape":"ServerInternalException"}
    ],
    "documentation":"<p>Rejects the specified grant.</p>"
  },
  "TagResource":{
    "name":"TagResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"TagResourceRequest"},
    "output":{"shape":"TagResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
```

```
  "documentation":"<p>Adds the specified tags to the specified license configuration.</p>"
},
"UntagResource":{
  "name":"UntagResource",
  "http":{
    "method":"POST",
     "requestUri":"/"
  },
  "input":{"shape":"UntagResourceRequest"},
  "output":{"shape":"UntagResourceResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"}
  ],
  "documentation":"<p>Removes the specified tags from the specified license configuration.</p>"
},
"UpdateLicenseConfiguration":{
  "name":"UpdateLicenseConfiguration",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseConfigurationRequest"},
  "output":{"shape":"UpdateLicenseConfigurationResponse"},
  "errors":[
    {"shape":"InvalidParameterValueException"},
    {"shape":"ServerInternalException"},
    {"shape":"AuthorizationException"},
    {"shape":"AccessDeniedException"},
    {"shape":"RateLimitExceededException"},
     {"shape":"ResourceLimitExceededException"}
  ],
  "documentation":"<p>Modifies the attributes of an existing license configuration.</p>"
},
"UpdateLicenseManagerReportGenerator":{
  "name":"UpdateLicenseManagerReportGenerator",
  "http":{
    "method":"POST",
    "requestUri":"/"
  },
  "input":{"shape":"UpdateLicenseManagerReportGeneratorRequest"},
  "output":{"shape":"UpdateLicenseManagerReportGeneratorResponse"},
  "errors":[
    {"shape":"ValidationException"},
    {"shape":"InvalidParameterValueException"},
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```
      {"shape":"RateLimitExceededException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ResourceLimitExceededException"}
    ],
    "documentation":"<p>Updates a report generator.</p> <p>After you make changes to a report generator, it
 starts generating new reports within 60 minutes of being updated.</p>"
  },
  "UpdateLicenseSpecificationsForResource":{
    "name":"UpdateLicenseSpecificationsForResource",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateLicenseSpecificationsForResourceRequest"},
    "output":{"shape":"UpdateLicenseSpecificationsForResourceResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"InvalidResourceStateException"},
      {"shape":"LicenseUsageException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
    "documentation":"<p>Adds or removes the specified license configurations for the specified Amazon Web
Services resource.</p> <p>You can update the license specifications of AMIs, instances, and hosts. You cannot
update the license specifications
 for launch templates and CloudFormation templates, as they send license configurations to the operation that creates
the resource.</p>"
  },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
    "http":{
      "method":"POST",
      "requestUri":"/"
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InvalidParameterValueException"},
      {"shape":"ServerInternalException"},
      {"shape":"AuthorizationException"},
      {"shape":"AccessDeniedException"},
      {"shape":"RateLimitExceededException"}
    ],
```

```
    "documentation":"<p>Updates License Manager settings for the current Region.</p>"
   }
  },
  "shapes":{
   "AcceptGrantRequest":{
    "type":"structure",
    "required":["GrantArn"],
    "members":{
     "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
     }
    }
   },
   "AcceptGrantResponse":{
    "type":"structure",
    "members":{
     "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Grant ARN.</p>"
     },
     "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
     },
     "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
     }
    }
   },
   "AccessDeniedException":{
    "type":"structure",
    "members":{
     "Message":{"shape":"Message"}
    },
    "documentation":"<p>Access to resource denied.</p>",
    "exception":true
   },
   "ActivationOverrideBehavior":{
    "type":"string",
    "enum":[
     "DISTRIBUTED_GRANTS_ONLY",
     "ALL_GRANTS_PERMITTED_BY_ISSUER"
    ]
   },
   "AllowedOperation":{
    "type":"string",
```

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    "enum":[
      "CreateGrant",
      "CheckoutLicense",
      "CheckoutBorrowLicense",
      "CheckInLicense",
      "ExtendConsumptionLicense",
       "ListPurchasedLicenses",
      "CreateToken"
    ]
  },
  "AllowedOperationList":{
    "type":"list",
    "member":{"shape":"AllowedOperation"},
    "max":7,
    "min":1
  },
  "Arn":{
    "type":"string",
    "max":2048,
    "pattern":"^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:_/+=,@.-]{0,1023}$"
  },
  "ArnList":{
    "type":"list",
    "member":{"shape":"Arn"}
  },
  "AuthorizationException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM policy associated with this account.</p>",
    "exception":true
  },
  "AutomatedDiscoveryInformation":{
    "type":"structure",
    "members":{
      "LastRunTime":{
        "shape":"DateTime",
        "documentation":"<p>Time
 that automated discovery last ran.</p>"
      }
    },
    "documentation":"<p>Describes automated discovery.</p>"
  },
  "Boolean":{"type":"boolean"},
  "BorrowConfiguration":{
```

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  "type":"structure",
  "required":[
    "AllowEarlyCheckIn",
    "MaxTimeToLiveInMinutes"
  ],
  "members":{
    "AllowEarlyCheckIn":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether early check-ins are allowed.</p>"
    },
    "MaxTimeToLiveInMinutes":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum time for the borrow configuration, in minutes.</p>"
    }
  },
  "documentation":"<p>Details about a borrow configuration.</p>"
},
"BoxBoolean":{"type":"boolean"},
"BoxInteger":{"type":"integer"},
"BoxLong":{"type":"long"},
"CheckInLicenseRequest":{
  "type":"structure",
  "required":["LicenseConsumptionToken"],
  "members":{
    "LicenseConsumptionToken":{
      "shape":"String",
      "documentation":"<p>License consumption token.</p>"
    },
    "Beneficiary":{
      "shape":"String",
      "documentation":"<p>License beneficiary.</p>"
    }
  }
},
"CheckInLicenseResponse":{
  "type":"structure",
  "members":{
  }
},
"CheckoutBorrowLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "Entitlements",
    "DigitalSignatureMethod",
    "ClientToken"
  ],
  "members":{
```

```
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementDataList",
        "documentation":"<p>License entitlements. Partial checkouts are not supported.</p>"
      },
      "DigitalSignatureMethod":{
        "shape":"DigitalSignatureMethod",

     "documentation":"<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see <a href=\"https://tools.ietf.org/html/rfc7518#section-3.5\">RFC 7518 Digital Signature with RSASSA-PSS</a>.</p>"
      },
      "NodeId":{
        "shape":"String",
        "documentation":"<p>Node ID.</p>"
      },
      "CheckoutMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about constraints.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
  },
  "CheckoutBorrowLicenseResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseConsumptionToken":{
        "shape":"String",
         "documentation":"<p>License consumption token.</p>"
      },
      "EntitlementsAllowed":{
        "shape":"EntitlementDataList",
        "documentation":"<p>Allowed license entitlements.</p>"
      },
      "NodeId":{
        "shape":"String",
```

```
      "documentation":"<p>Node ID.</p>"
    },
    "SignedToken":{
      "shape":"SignedToken",
      "documentation":"<p>Signed token.</p>"
    },
    "IssuedAt":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout is issued.</p>"
    },
    "Expiration":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date and time at which the license checkout expires.</p>"
    },
    "CheckoutMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>Information about constraints.</p>"
    }
  }
},
"CheckoutLicenseRequest":{
  "type":"structure",
  "required":[
    "ProductSKU",
     "CheckoutType",
    "KeyFingerprint",
    "Entitlements",
    "ClientToken"
  ],
  "members":{
    "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
    },
    "CheckoutType":{
      "shape":"CheckoutType",
      "documentation":"<p>Checkout type.</p>"
    },
    "KeyFingerprint":{
      "shape":"String",
      "documentation":"<p>Key fingerprint identifying the license.</p>"
    },
    "Entitlements":{
      "shape":"EntitlementDataList",
      "documentation":"<p>License entitlements.</p>"
    },
    "ClientToken":{
      "shape":"ClientToken",
```

```
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "NodeId":{
        "shape":"String",
         "documentation":"<p>Node ID.</p>"
      }
    }
  },
  "CheckoutLicenseResponse":{
    "type":"structure",
    "members":{
      "CheckoutType":{
        "shape":"CheckoutType",
        "documentation":"<p>Checkout type.</p>"
      },
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "EntitlementsAllowed":{
        "shape":"EntitlementDataList",
        "documentation":"<p>Allowed license entitlements.</p>"
      },
      "SignedToken":{
        "shape":"SignedToken",
        "documentation":"<p>Signed token.</p>"
      },
      "NodeId":{
        "shape":"String",
        "documentation":"<p>Node ID.</p>"
      },
      "IssuedAt":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Date and time at which the license checkout is issued.</p>"
      },
      "Expiration":{
        "shape":"ISO8601DateTime",

 "documentation":"<p>Date and time at which the license checkout expires.</p>"
      },
      "LicenseArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the checkout license.</p>"
```

```
    }
   }
  },
  "CheckoutType":{
   "type":"string",
   "enum":[
    "PROVISIONAL",
    "PERPETUAL"
   ]
  },
  "ClientRequestToken":{
   "type":"string",
   "max":36,
   "min":1
  },
  "ClientToken":{
   "type":"string",
   "max":2048,
   "pattern":"\\S+"
  },
  "ConflictException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"}
   },
   "documentation":"<p>There was a conflict processing the request. Try your request again.</p>",
   "exception":true
  },
  "ConsumedLicenseSummary":{
   "type":"structure",
   "members":{
    "ResourceType":{
     "shape":"ResourceType",
     "documentation":"<p>Resource type of the resource consuming a
license.</p>"
    },
    "ConsumedLicenses":{
     "shape":"BoxLong",
     "documentation":"<p>Number of licenses consumed by the resource.</p>"
    }
   },
   "documentation":"<p>Details about license consumption.</p>"
  },
  "ConsumedLicenseSummaryList":{
   "type":"list",
   "member":{"shape":"ConsumedLicenseSummary"}
  },
  "ConsumptionConfiguration":{
```

```
    "type":"structure",
    "members":{
      "RenewType":{
        "shape":"RenewType",
        "documentation":"<p>Renewal frequency.</p>"
      },
      "ProvisionalConfiguration":{
        "shape":"ProvisionalConfiguration",
        "documentation":"<p>Details about a provisional configuration.</p>"
      },
      "BorrowConfiguration":{
        "shape":"BorrowConfiguration",
        "documentation":"<p>Details about a borrow configuration.</p>"
      }
    },
    "documentation":"<p>Details about a consumption configuration.</p>"
  },
  "CreateGrantRequest":{
     "type":"structure",
    "required":[
      "ClientToken",
      "GrantName",
      "LicenseArn",
      "Principals",
      "HomeRegion",
      "AllowedOperations"
    ],
    "members":{
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
      },
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "Principals":{
        "shape":"PrincipalArnList",
        "documentation":"<p>The grant principals. You can specify one of the following as an Amazon Resource
Name (ARN):</p> <ul> <li> <p>An Amazon Web Services account, which includes only the account
specified.</p> </li> </ul> <ul> <li> <p>An organizational unit (OU), which
 includes all accounts in the OU.</p> </li> </ul> <ul> <li> <p>An organization, which will include all accounts
across your organization.</p> </li> </ul>"
```

```
      },
      "HomeRegion":{
        "shape":"String",
        "documentation":"<p>Home Region of the grant.</p>"
      },
      "AllowedOperations":{
        "shape":"AllowedOperationList",
        "documentation":"<p>Allowed operations for the grant.</p>"
      }
    }
  },
  "CreateGrantResponse":{
    "type":"structure",
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Grant ARN.</p>"
      },
      "Status":{
        "shape":"GrantStatus",
        "documentation":"<p>Grant status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Grant version.</p>"
      }
    }
  },
  "CreateGrantVersionRequest":{
    "type":"structure",
    "required":[
      "ClientToken",
      "GrantArn"
    ],

 "members":{
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
      },
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
```

```
    },
    "AllowedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Allowed operations for the grant.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>Grant status reason.</p>"
    },
    "SourceVersion":{
      "shape":"String",
      "documentation":"<p>Current version of the grant.</p>"
    },
    "Options":{

    "shape":"Options",
      "documentation":"<p>The options specified for the grant.</p>"
    }
  }
},
"CreateGrantVersionResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>New version of the grant.</p>"
    }
  }
},
"CreateLicenseConfigurationRequest":{
  "type":"structure",
  "required":[
    "Name",
    "LicenseCountingType"
  ],
  "members":{
```

```
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
   "shape":"LicenseCountingType",
  "documentation":"<p>Dimension used to track the license inventory.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit blocks the launch of new instances.</p>"
},
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules vary by dimension, as follows.</p> <ul> <li> <p> <code>Cores</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumCores</code> | <code>minimumCores</code> </p> </li> <li> <p> <code>Instances</code> dimension: <code>allowedTenancy</code>
 | <code>maximumCores</code> | <code>minimumCores</code> | <code>maximumSockets</code> | <code>minimumSockets</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p> </li> <li> <p> <code>Sockets</code> dimension: <code>allowedTenancy</code> | <code>licenseAffinityToHost</code> | <code>maximumSockets</code> | <code>minimumSockets</code> </p> </li> <li> <p> <code>vCPUs</code> dimension: <code>allowedTenancy</code> | <code>honorVcpuOptimization</code> | <code>maximumVcpus</code> | <code>minimumVcpus</code> </p> </li> </ul> <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are <code>True</code> and <code>False</code>.</p>"
},
"Tags":{
  "shape":"TagList",
  "documentation":"<p>Tags to add to the
 license configuration.</p>"
},
"DisassociateWhenNotFound":{
  "shape":"BoxBoolean",
  "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},
```

```
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      }
    }
  },
  "CreateLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    }
  },
  "CreateLicenseConversionTaskForResourceRequest":{
    "type":"structure",
    "required":[
      "ResourceArn",
      "SourceLicenseContext",
      "DestinationLicenseContext"
    ],
    "members":{
      "ResourceArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource you are converting
 the license type for.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information that identifies the license type you are converting from. For the structure of
the source license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI </a> in the <i>License Manager User
Guide</i>.</p>"
      },
      "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information that identifies the license type you are converting to. For the structure of the
destination license, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/conversion-
procedures.html#conversion-cli\">Convert a license type using the CLI </a> in the <i>License Manager User
Guide</i>.</p>"
      }
    }
  },
  "CreateLicenseConversionTaskForResourceResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
```

```
      "shape":"LicenseConversionTaskId",
      "documentation":"<p>The ID of the created license type conversion task.</p>"
     }
    }
   },
   "CreateLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":[
     "ReportGeneratorName",
     "Type",
     "ReportContext",
     "ReportFrequency",
     "ClientToken"
    ],
    "members":{
     "ReportGeneratorName":{
      "shape":"ReportGeneratorName",
      "documentation":"<p>Name of the report generator.</p>"
     },
     "Type":{
      "shape":"ReportTypeList",
      "documentation":"<p>Type of reports to generate. The following report types an be generated:</p> <ul> <li>
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p> </li> <li> <p>Resource report - Reports the tracked licenses and resource consumption
 for a license configuration.</p> </li> </ul>"
     },
     "ReportContext":{
      "shape":"ReportContext",
      "documentation":"<p>Defines the type of license configuration the report generator tracks.</p>"
     },
     "ReportFrequency":{
      "shape":"ReportFrequency",
      "documentation":"<p>Frequency by which reports are generated. Reports can be generated daily, monthly, or
weekly.</p>"
     },
     "ClientToken":{
      "shape":"ClientRequestToken",
      "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the
request.</p>"
     },
     "Description":{
      "shape":"String",
      "documentation":"<p>Description of the report generator.</p>"
     },
     "Tags":{
      "shape":"TagList",
      "documentation":"<p>Tags to add to the report generator.</p>"
     }
```

```
  }
},
"CreateLicenseManagerReportGeneratorResponse":{
  "type":"structure",
   "members":{
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>The Amazon Resource Name (ARN) of the new report generator.</p>"
    }
  }
},
"CreateLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseName",
    "ProductName",
    "ProductSKU",
    "Issuer",
    "HomeRegion",
    "Validity",
    "Entitlements",
    "Beneficiary",
    "ConsumptionConfiguration",
    "ClientToken"
  ],
  "members":{
    "LicenseName":{
      "shape":"String",
      "documentation":"<p>License name.</p>"
    },
    "ProductName":{
      "shape":"String",
      "documentation":"<p>Product name.</p>"
    },
    "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
    },
    "Issuer":{
      "shape":"Issuer",
      "documentation":"<p>License issuer.</p>"
    },

"HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region for the license.</p>"
    },
    "Validity":{
```

```
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License entitlements.</p>"
      },
      "Beneficiary":{
        "shape":"String",
        "documentation":"<p>License beneficiary.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
       },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      }
    }
  },
  "CreateLicenseResponse":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "Status":{
        "shape":"LicenseStatus",
        "documentation":"<p>License status.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>License version.</p>"
      }
    }
  },
  "CreateLicenseVersionRequest":{
    "type":"structure",
    "required":[
```

```
      "LicenseArn",
      "LicenseName",
      "ProductName",
      "Issuer",
      "HomeRegion",
      "Validity",
      "Entitlements",
      "ConsumptionConfiguration",
      "Status",
      "ClientToken"
    ],

  "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "Issuer":{
        "shape":"Issuer",
        "documentation":"<p>License issuer.</p>"
      },
      "HomeRegion":{
        "shape":"String",
        "documentation":"<p>Home Region of the license.</p>"
      },
      "Validity":{
        "shape":"DatetimeRange",
        "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Information about the license.</p>"
      },
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License
  entitlements.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
```

"documentation":" Configuration for consumption of the license. Choose a provisional configuration for workloads running with continuous connectivity. Choose a borrow configuration for workloads with offline usage. "
},
"Status":{
"shape":"LicenseStatus",
"documentation":" License status. "
},
"ClientToken":{
"shape":"ClientToken",
"documentation":" Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. "
},
"SourceVersion":{
"shape":"String",
"documentation":" Current version of the license. "
}
}
},
"CreateLicenseVersionResponse":{
"type":"structure",
"members":{
"LicenseArn":{
"shape":"Arn",
"documentation":" License ARN. "
},
"Version":{
"shape":"String",
"documentation":" New version of the license. "
},
"Status":{
"shape":"LicenseStatus",
"documentation":" License status. "
}
}
},
"CreateTokenRequest":{
"type":"structure",
"required":[
"LicenseArn",
"ClientToken"
],
"members":{
"LicenseArn":{
"shape":"Arn",
"documentation":" Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the JWT token. "

```
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. License Manager does not check whether the roles are in use.</p>"
      },
      "ExpirationInDays":{
        "shape":"Integer",
        "documentation":"<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller to be included in the JWT token. The data is mapped to the amr claim of the JWT token.</p>"
      },
      "ClientToken":{
        "shape":"ClientToken",
        "documentation":"<p>Idempotency token, valid for 10 minutes.</p>"
      }
    }
  },
  "CreateTokenResponse":{
    "type":"structure",
    "members":{
      "TokenId":{
        "shape":"String",
        "documentation":"<p>Token ID.</p>"
      },
      "TokenType":{
        "shape":"TokenType",
        "documentation":"<p>Token type.</p>"
      },
      "Token":{
        "shape":"TokenString",
        "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
      }
    }
  },
  "DateTime":{"type":"timestamp"},
  "DatetimeRange":{
    "type":"structure",
    "required":["Begin"],
    "members":{
      "Begin":{

      "shape":"ISO8601DateTime",
        "documentation":"<p>Start of the time range.</p>"
```

```
    },
    "End":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>End of the time range.</p>"
    }
  },
  "documentation":"<p>Describes a time range, in ISO8601-UTC format.</p>"
},
"DeleteGrantRequest":{
  "type":"structure",
  "required":[
    "GrantArn",
    "Version"
  ],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>The Status reason for the delete request.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Current version of the grant.</p>"
    }
  }
},
"DeleteGrantResponse":{
  "type":"structure",
  "members":{
    "GrantArn":{
      "shape":"Arn",
       "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
      "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
},
"DeleteLicenseConfigurationRequest":{
  "type":"structure",
```

```
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>ID of the license configuration.</p>"
    }
  }
},
"DeleteLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseManagerReportGeneratorRequest":{
  "type":"structure",
  "required":["LicenseManagerReportGeneratorArn"],
  "members":{
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>"
    }
  }
},
"DeleteLicenseManagerReportGeneratorResponse":{
  "type":"structure",
  "members":{
  }
},
"DeleteLicenseRequest":{
  "type":"structure",
  "required":[
    "LicenseArn",
    "SourceVersion"
  ],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "SourceVersion":{
      "shape":"String",
      "documentation":"<p>Current version of the license.</p>"
    }
  }
},
"DeleteLicenseResponse":{
  "type":"structure",
  "members":{
```

```
    "Status":{
      "shape":"LicenseDeletionStatus",
      "documentation":"<p>License status.</p>"
    },
    "DeletionDate":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>Date when the license is deleted.</p>"
    }
  }
},
"DeleteTokenRequest":{
  "type":"structure",
  "required":["TokenId"],
   "members":{
    "TokenId":{
      "shape":"String",
      "documentation":"<p>Token ID.</p>"
    }
  }
},
"DeleteTokenResponse":{
  "type":"structure",
  "members":{
  }
},
"DigitalSignatureMethod":{
  "type":"string",
  "enum":["JWT_PS384"]
},
"Entitlement":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement resource. Use only if the unit is None.</p>"
    },
    "MaxCount":{
      "shape":"Long",
      "documentation":"<p>Maximum entitlement count. Use if the unit is not None.</p>"
    },
```

```
    "Overage":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether overages are allowed.</p>"
    },
    "Unit":{
       "shape":"EntitlementUnit",
      "documentation":"<p>Entitlement unit.</p>"
    },
    "AllowCheckIn":{
      "shape":"BoxBoolean",
      "documentation":"<p>Indicates whether check-ins are allowed.</p>"
    }
  },
  "documentation":"<p>Describes a resource entitled for use with a license.</p>"
},
"EntitlementData":{
  "type":"structure",
  "required":[
    "Name",
    "Unit"
  ],
  "members":{
    "Name":{
      "shape":"String",
      "documentation":"<p>Entitlement data name.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Entitlement data value.</p>"
    },
    "Unit":{
      "shape":"EntitlementDataUnit",
      "documentation":"<p>Entitlement data unit.</p>"
    }
  },
  "documentation":"<p>Data associated with an entitlement resource.</p>"
},
"EntitlementDataList":{
  "type":"list",
  "member":{"shape":"EntitlementData"}
 },
"EntitlementDataUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
```

```
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
  ]
},
"EntitlementList":{
  "type":"list",
  "member":{"shape":"Entitlement"}
},
"EntitlementNotAllowedException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>The entitlement is not allowed.</p>",
  "exception":true
 },
"EntitlementUnit":{
  "type":"string",
  "enum":[
    "Count",
    "None",
    "Seconds",
    "Microseconds",
    "Milliseconds",
    "Bytes",
    "Kilobytes",
    "Megabytes",
```

```
    "Gigabytes",
    "Terabytes",
    "Bits",
    "Kilobits",
    "Megabits",
    "Gigabits",
    "Terabits",
    "Percent",
    "Bytes/Second",
    "Kilobytes/Second",
    "Megabytes/Second",
    "Gigabytes/Second",
    "Terabytes/Second",
    "Bits/Second",
    "Kilobits/Second",
    "Megabits/Second",
    "Gigabits/Second",
    "Terabits/Second",
    "Count/Second"
   ]
  },
  "EntitlementUsage":{
   "type":"structure",
   "required":[
    "Name",
    "ConsumedValue",
    "Unit"
   ],
   "members":{
    "Name":{
     "shape":"String",
     "documentation":"<p>Entitlement usage name.</p>"
    },
    "ConsumedValue":{
      "shape":"String",
     "documentation":"<p>Resource usage consumed.</p>"
    },
    "MaxCount":{
     "shape":"String",
     "documentation":"<p>Maximum entitlement usage count.</p>"
    },
    "Unit":{
     "shape":"EntitlementDataUnit",
     "documentation":"<p>Entitlement usage unit.</p>"
    }
   },
   "documentation":"<p>Usage associated with an entitlement resource.</p>"
  },
```

```
  "EntitlementUsageList":{
    "type":"list",
    "member":{"shape":"EntitlementUsage"}
  },
  "ExtendLicenseConsumptionRequest":{
    "type":"structure",
    "required":["LicenseConsumptionToken"],
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "DryRun":{
        "shape":"Boolean",
        "documentation":"<p>Checks whether you have the required permissions for the action, without actually making the request. Provides
 an error response if you do not have the required permissions.</p>"
      }
    }
  },
  "ExtendLicenseConsumptionResponse":{
    "type":"structure",
    "members":{
      "LicenseConsumptionToken":{
        "shape":"String",
        "documentation":"<p>License consumption token.</p>"
      },
      "Expiration":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Date and time at which the license consumption expires.</p>"
      }
    }
  },
  "FailedDependencyException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"},
      "ErrorCode":{"shape":"String"}
    },
    "documentation":"<p>A dependency required to run the API is missing.</p>",
    "exception":true
  },
  "Filter":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"FilterName",
        "documentation":"<p>Name of the filter. Filter names are case-sensitive.</p>"
```

```
      },
      "Values":{

       "shape":"FilterValues",
        "documentation":"<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
      }
    },
    "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
  },
  "FilterLimitExceededException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>The request uses too many filters or too many filter values.</p>",
    "exception":true
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
  },
  "FilterName":{"type":"string"},
  "FilterValue":{"type":"string"},
  "FilterValues":{
    "type":"list",
    "member":{"shape":"FilterValue"}
  },
  "Filters":{
    "type":"list",
    "member":{"shape":"Filter"}
  },

 "GetAccessTokenRequest":{
    "type":"structure",
    "required":["Token"],
    "members":{
      "Token":{
        "shape":"TokenString",
        "documentation":"<p>Refresh token, encoded as a JWT token.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Token properties to validate against those present in the JWT token.</p>"
      }
    }
  },
```

```
"GetAccessTokenResponse":{
  "type":"structure",
  "members":{
    "AccessToken":{
      "shape":"TokenString",
      "documentation":"<p>Temporary access token.</p>"
    }
  }
},
"GetGrantRequest":{
  "type":"structure",
  "required":["GrantArn"],
  "members":{
    "GrantArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    }
  }
},
 "GetGrantResponse":{
  "type":"structure",
  "members":{
    "Grant":{
      "shape":"Grant",
      "documentation":"<p>Grant details.</p>"
    }
  }
},
"GetLicenseConfigurationRequest":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    }
  }
},
"GetLicenseConfigurationResponse":{
  "type":"structure",
  "members":{
    "LicenseConfigurationId":{
      "shape":"String",
      "documentation":"<p>Unique ID for the license configuration.</p>"
```

```
},
"LicenseConfigurationArn":{
  "shape":"String",
  "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
 },
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
  "shape":"LicenseCountingType",
  "documentation":"<p>Dimension for which the licenses are counted.</p>"
},
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of available licenses.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Sets the number of available licenses as a hard limit.</p>"
},
"ConsumedLicenses":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses assigned to resources.</p>"
},
"Status":{
  "shape":"String",
  "documentation":"<p>License configuration status.</p>"
 },
"OwnerAccountId":{
  "shape":"String",
  "documentation":"<p>Account ID of the owner of the license configuration.</p>"
},
"ConsumedLicenseSummaryList":{
  "shape":"ConsumedLicenseSummaryList",
  "documentation":"<p>Summaries of the licenses consumed by resources.</p>"
},
"ManagedResourceSummaryList":{
  "shape":"ManagedResourceSummaryList",
  "documentation":"<p>Summaries of the managed resources.</p>"
```

```
      },
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Tags for the license configuration.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      },
      "AutomatedDiscoveryInformation":{
        "shape":"AutomatedDiscoveryInformation",
        "documentation":"<p>Automated discovery information.</p>"
      },
      "DisassociateWhenNotFound":{
         "shape":"BoxBoolean",
        "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
      }
    }
  },
  "GetLicenseConversionTaskRequest":{
    "type":"structure",
    "required":["LicenseConversionTaskId"],
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>ID of the license type conversion task to retrieve information on.</p>"
      }
    }
  },
  "GetLicenseConversionTaskResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTaskId":{
        "shape":"LicenseConversionTaskId",
        "documentation":"<p>ID of the license type conversion task.</p>"
      },
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Names (ARN) of the resources the license conversion task is
associated with.</p>"
      },
      "SourceLicenseContext":{
        "shape":"LicenseConversionContext",
         "documentation":"<p>Information about the license type converted from.</p>"
      },
      "DestinationLicenseContext":{
        "shape":"LicenseConversionContext",
        "documentation":"<p>Information about the license type converted to.</p>"
```

```
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for the conversion task.</p>"
      },
      "Status":{
        "shape":"LicenseConversionTaskStatus",
        "documentation":"<p>Status of the license type conversion task.</p>"
      },
      "StartTime":{
        "shape":"DateTime",
        "documentation":"<p>Time at which the license type conversion task was started .</p>"
      },
      "LicenseConversionTime":{
        "shape":"DateTime",
        "documentation":"<p>Amount of time to complete the license type conversion.</p>"
      },
      "EndTime":{
        "shape":"DateTime",
        "documentation":"<p>Time
at which the license type conversion task was completed.</p>"
      }
    }
  },
  "GetLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":["LicenseManagerReportGeneratorArn"],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
      }
    }
  },
  "GetLicenseManagerReportGeneratorResponse":{
    "type":"structure",
    "members":{
      "ReportGenerator":{
        "shape":"ReportGenerator",
        "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
      }
    }
  },
  "GetLicenseRequest":{
    "type":"structure",
    "required":["LicenseArn"],
    "members":{
      "LicenseArn":{
```

```
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    },
    "Version":{

 "shape":"String",
      "documentation":"<p>License version.</p>"
    }
  }
},
"GetLicenseResponse":{
  "type":"structure",
  "members":{
    "License":{
      "shape":"License",
      "documentation":"<p>License details.</p>"
    }
  }
},
"GetLicenseUsageRequest":{
  "type":"structure",
  "required":["LicenseArn"],
  "members":{
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
    }
  }
},
"GetLicenseUsageResponse":{
  "type":"structure",
  "members":{
    "LicenseUsage":{
      "shape":"LicenseUsage",
      "documentation":"<p>License usage details.</p>"
    }
  }
},
"GetServiceSettingsRequest":{
  "type":"structure",
  "members":{
  }
},
"GetServiceSettingsResponse":{
  "type":"structure",
  "members":{
    "S3BucketArn":{
      "shape":"String",
```

```
      "documentation":"<p>Regional S3 bucket path for storing reports, license trail event data, discovery data, and so on.</p>"
      },
      "SnsTopicArn":{
        "shape":"String",
        "documentation":"<p>SNS topic configured to receive notifications from License Manager.</p>"
      },
      "OrganizationConfiguration":{
        "shape":"OrganizationConfiguration",
        "documentation":"<p>Indicates whether Organizations is integrated with License Manager for cross-account discovery.</p>"
      },
      "EnableCrossAccountsDiscovery":{
        "shape":"BoxBoolean",
        "documentation":"<p>Indicates whether cross-account discovery is enabled.</p>"
      },
      "LicenseManagerResourceShareArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource share. The License Manager management account provides member accounts with access to this share.</p>"
      }
    }
  },
  "Grant":{
    "type":"structure",
    "required":[
      "GrantArn",
      "GrantName",
      "ParentArn",
      "LicenseArn",
      "GranteePrincipalArn",
      "HomeRegion",
      "GrantStatus",
      "Version",
      "GrantedOperations"
    ],
    "members":{
      "GrantArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
      },
      "GrantName":{
        "shape":"String",
        "documentation":"<p>Grant name.</p>"
      },
      "ParentArn":{
        "shape":"Arn",
```

```
      "documentation":"<p>Parent ARN.</p>"
    },
    "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>License ARN.</p>"
    },
    "GranteePrincipalArn":{
      "shape":"Arn",
      "documentation":"<p>The grantee principal ARN.</p>"
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the grant.</p>"
    },
    "GrantStatus":{
       "shape":"GrantStatus",
      "documentation":"<p>Grant status.</p>"
    },
    "StatusReason":{
      "shape":"StatusReasonMessage",
      "documentation":"<p>Grant status reason.</p>"
    },
    "Version":{
      "shape":"String",
      "documentation":"<p>Grant version.</p>"
    },
    "GrantedOperations":{
      "shape":"AllowedOperationList",
      "documentation":"<p>Granted operations.</p>"
    },
    "Options":{
      "shape":"Options",
      "documentation":"<p>The options specified for the grant.</p>"
    }
  },
  "documentation":"<p>Describes a grant.</p>"
},
"GrantList":{
  "type":"list",
  "member":{"shape":"Grant"}
},
"GrantStatus":{
  "type":"string",
  "enum":[
    "PENDING_WORKFLOW",
    "PENDING_ACCEPT",
    "REJECTED",
    "ACTIVE",
```

```
      "FAILED_WORKFLOW",
      "DELETED",
      "PENDING_DELETE",
      "DISABLED",

 "WORKFLOW_COMPLETED"
    ]
   },
   "GrantedLicense":{
    "type":"structure",
    "members":{
     "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
     },
     "LicenseName":{
      "shape":"String",
      "documentation":"<p>License name.</p>"
     },
     "ProductName":{
      "shape":"String",
      "documentation":"<p>Product name.</p>"
     },
     "ProductSKU":{
      "shape":"String",
      "documentation":"<p>Product SKU.</p>"
     },
     "Issuer":{
      "shape":"IssuerDetails",
      "documentation":"<p>Granted license issuer.</p>"
     },
     "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the granted license.</p>"
     },
     "Status":{
      "shape":"LicenseStatus",
      "documentation":"<p>Granted license status.</p>"
     },
     "Validity":{
      "shape":"DatetimeRange",
       "documentation":"<p>Date and time range during which the granted license is valid, in ISO8601-UTC
format.</p>"
     },
     "Beneficiary":{
      "shape":"String",
      "documentation":"<p>Granted license beneficiary.</p>"
     },
```

```
      "Entitlements":{
        "shape":"EntitlementList",
        "documentation":"<p>License entitlements.</p>"
      },
      "ConsumptionConfiguration":{
        "shape":"ConsumptionConfiguration",
        "documentation":"<p>Configuration for consumption of the license.</p>"
      },
      "LicenseMetadata":{
        "shape":"MetadataList",
        "documentation":"<p>Granted license metadata.</p>"
      },
      "CreateTime":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Creation time of the granted license.</p>"
      },
      "Version":{
        "shape":"String",
        "documentation":"<p>Version of the granted license.</p>"
      },
      "ReceivedMetadata":{
         "shape":"ReceivedMetadata",
        "documentation":"<p>Granted license received metadata.</p>"
      }
    },
    "documentation":"<p>Describes a license that is granted to a grantee.</p>"
  },
  "GrantedLicenseList":{
    "type":"list",
    "member":{"shape":"GrantedLicense"}
  },
  "ISO8601DateTime":{
    "type":"string",
    "max":50,
    "pattern":"^(-?(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-
9]):([0-5][0-9])(\\.[0-9]+)?(Z|[+-](?:2[ 0-3]|[0-1][0-9]):[0-5][0-9])+$"
  },
  "Integer":{"type":"integer"},
  "InvalidParameterValueException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>One or more parameter values are not valid.</p>",
    "exception":true,
    "synthetic":true
  },
  "InvalidResourceStateException":{
```

```
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}

  },
    "documentation":"<p>License Manager cannot allocate a license to a resource because of its state. </p> <p>For example, you cannot allocate a license to an instance in the process of shutting down.</p>",
    "exception":true
  },
  "InventoryFilter":{
    "type":"structure",
    "required":[
      "Name",
      "Condition"
    ],
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Name of the filter.</p>"
      },
      "Condition":{
        "shape":"InventoryFilterCondition",
        "documentation":"<p>Condition of the filter.</p>"
      },
      "Value":{
        "shape":"String",
        "documentation":"<p>Value of the filter.</p>"
      }
    },
    "documentation":"<p>An inventory filter.</p>"
  },
  "InventoryFilterCondition":{
    "type":"string",
    "enum":[
      "EQUALS",
      "NOT_EQUALS",
      "BEGINS_WITH",
      "CONTAINS"
    ]
  },
  "InventoryFilterList":{
     "type":"list",
    "member":{"shape":"InventoryFilter"}
  },
  "Issuer":{
    "type":"structure",
    "required":["Name"],
    "members":{
```

```
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      }
    },
    "documentation":"<p>Details about the issuer of a license.</p>"
  },
  "IssuerDetails":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>Issuer name.</p>"
      },
      "SignKey":{
        "shape":"String",
        "documentation":"<p>Asymmetric KMS key from Key Management Service. The KMS key must have a key usage of sign and verify, and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
      },
      "KeyFingerprint":{
        "shape":"String",
        "documentation":"<p>Issuer key fingerprint.</p>"
      }
    },
    "documentation":"<p>Details associated with the issuer of a license.</p>"
  },
  "License":{
    "type":"structure",
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "LicenseName":{
        "shape":"String",
        "documentation":"<p>License name.</p>"
      },
      "ProductName":{
        "shape":"String",
        "documentation":"<p>Product name.</p>"
      },
      "ProductSKU":{
        "shape":"String",
```

```
      "documentation":"<p>Product SKU.</p>"
    },
    "Issuer":{
      "shape":"IssuerDetails",
      "documentation":"<p>License issuer.</p>"
    },
    "HomeRegion":{
      "shape":"String",
      "documentation":"<p>Home Region of the license.</p>"
     },
    "Status":{
      "shape":"LicenseStatus",
      "documentation":"<p>License status.</p>"
    },
    "Validity":{
      "shape":"DatetimeRange",
      "documentation":"<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
    },
    "Beneficiary":{
      "shape":"String",
      "documentation":"<p>License beneficiary.</p>"
    },
    "Entitlements":{
      "shape":"EntitlementList",
      "documentation":"<p>License entitlements.</p>"
    },
    "ConsumptionConfiguration":{
      "shape":"ConsumptionConfiguration",
      "documentation":"<p>Configuration for consumption of the license.</p>"
    },
    "LicenseMetadata":{
      "shape":"MetadataList",
      "documentation":"<p>License metadata.</p>"
    },
    "CreateTime":{
      "shape":"ISO8601DateTime",
      "documentation":"<p>License creation time.</p>"
    },
    "Version":{
       "shape":"String",
      "documentation":"<p>License version.</p>"
    }
  },
  "documentation":"<p>Software license that is managed in License Manager.</p>"
},
"LicenseConfiguration":{
  "type":"structure",
  "members":{
```

```
"LicenseConfigurationId":{
  "shape":"String",
  "documentation":"<p>Unique ID of the license configuration.</p>"
},
"LicenseConfigurationArn":{
  "shape":"String",
  "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
},
"Name":{
  "shape":"String",
  "documentation":"<p>Name of the license configuration.</p>"
},
"Description":{
  "shape":"String",
  "documentation":"<p>Description of the license configuration.</p>"
},
"LicenseCountingType":{
  "shape":"LicenseCountingType",
  "documentation":"<p>Dimension to use to track the license inventory.</p>"
 },
"LicenseRules":{
  "shape":"StringList",
  "documentation":"<p>License rules.</p>"
},
"LicenseCount":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses managed by the license configuration.</p>"
},
"LicenseCountHardLimit":{
  "shape":"BoxBoolean",
  "documentation":"<p>Number of available licenses as a hard limit.</p>"
},
"DisassociateWhenNotFound":{
  "shape":"BoxBoolean",
  "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
},
"ConsumedLicenses":{
  "shape":"BoxLong",
  "documentation":"<p>Number of licenses consumed. </p>"
},
"Status":{
  "shape":"String",
  "documentation":"<p>Status of the license configuration.</p>"
},
"OwnerAccountId":{
  "shape":"String",
  "documentation":"<p>Account ID of the license
```

```
 configuration's owner.</p>"
      },
      "ConsumedLicenseSummaryList":{
        "shape":"ConsumedLicenseSummaryList",
        "documentation":"<p>Summaries for licenses consumed by various resources.</p>"
      },
      "ManagedResourceSummaryList":{
        "shape":"ManagedResourceSummaryList",
        "documentation":"<p>Summaries for managed resources.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>Product information.</p>"
      },
      "AutomatedDiscoveryInformation":{
        "shape":"AutomatedDiscoveryInformation",
        "documentation":"<p>Automated discovery information.</p>"
      }
    },
    "documentation":"<p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared
 tenancy, Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM must be associated with a host), and the number of licenses purchased and used.</p>"
  },
  "LicenseConfigurationAssociation":{
    "type":"structure",
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of server resource.</p>"
      },
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":"<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":"<p>Time when the license configuration was associated with the resource.</p>"
      },
      "AmiAssociationScope":{
        "shape":"String",
        "documentation":"<p>Scope of
```

AMI associations. The possible value is <code>cross-account</code>. "
      }
    },
    "documentation":" Describes an association with a license configuration. "
  },
  "LicenseConfigurationAssociations":{
    "type":"list",
    "member":{"shape":"LicenseConfigurationAssociation"}
  },
  "LicenseConfigurationStatus":{
    "type":"string",
    "enum":[
      "AVAILABLE",
      "DISABLED"
    ]
  },
  "LicenseConfigurationUsage":{
    "type":"structure",
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":" Amazon Resource Name (ARN) of the resource. "
      },
      "ResourceType":{
        "shape":"ResourceType",
        "documentation":" Type of resource. "
      },
      "ResourceStatus":{
        "shape":"String",
        "documentation":" Status of the resource. "
      },
      "ResourceOwnerId":{
        "shape":"String",
        "documentation":" ID of
the account that owns the resource. "
      },
      "AssociationTime":{
        "shape":"DateTime",
        "documentation":" Time when the license configuration was initially associated with the resource. "
      },
      "ConsumedLicenses":{
        "shape":"BoxLong",
        "documentation":" Number of licenses consumed by the resource. "
      }
    },
    "documentation":" Details about the usage of a resource associated with a license configuration. "
  },
  "LicenseConfigurationUsageList":{

```
    "type":"list",
    "member":{"shape":"LicenseConfigurationUsage"}
   },
   "LicenseConfigurations":{
    "type":"list",
    "member":{"shape":"LicenseConfiguration"}
   },
   "LicenseConversionContext":{
    "type":"structure",
    "members":{
     "UsageOperation":{
      "shape":"UsageOperation",
      "documentation":"<p>The Usage operation value that corresponds to the license type you are converting your
resource
 from. For more information about which platforms correspond to which usage operation values see <a
href=\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-fields.html#billing-info\">Sample
data: usage operation by platform </a> </p>"
     }
    },
    "documentation":"<p>Information about a license type conversion task.</p>"
   },
   "LicenseConversionTask":{
    "type":"structure",
    "members":{
     "LicenseConversionTaskId":{
      "shape":"LicenseConversionTaskId",
      "documentation":"<p>The ID of the license type conversion task.</p>"
     },
     "ResourceArn":{
      "shape":"String",
      "documentation":"<p>The Amazon Resource Name (ARN) of the resource associated with the license type
conversion task.</p>"
     },
     "SourceLicenseContext":{
      "shape":"LicenseConversionContext",
      "documentation":"<p>Information about the license type this conversion task converted from.</p>"
     },

    "DestinationLicenseContext":{
      "shape":"LicenseConversionContext",
      "documentation":"<p>Information about the license type this conversion task converted to.</p>"
     },
     "Status":{
      "shape":"LicenseConversionTaskStatus",
      "documentation":"<p>The status of the conversion task.</p>"
     },
     "StatusMessage":{
      "shape":"String",
```

```
      "documentation":"<p>The status message for the conversion task.</p>"
     },
     "StartTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the conversion task was started at.</p>"
     },
     "LicenseConversionTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the usage operation value of the resource was changed.</p>"
     },
     "EndTime":{
      "shape":"DateTime",
      "documentation":"<p>The time the conversion task was completed.</p>"
     }
    },
    "documentation":"<p>Information about a
license type conversion task.</p>"
   },
   "LicenseConversionTaskId":{
    "type":"string",
    "max":50,
    "pattern":"^lct-[a-zA-Z0-9]*"
   },
   "LicenseConversionTaskStatus":{
    "type":"string",
    "enum":[
     "IN_PROGRESS",
     "SUCCEEDED",
     "FAILED"
    ]
   },
   "LicenseConversionTasks":{
    "type":"list",
    "member":{"shape":"LicenseConversionTask"}
   },
   "LicenseCountingType":{
    "type":"string",
    "enum":[
     "vCPU",
     "Instance",
     "Core",
     "Socket"
    ]
   },
   "LicenseDeletionStatus":{
    "type":"string",
    "enum":[
     "PENDING_DELETE",
```

```
    "DELETED"
   ]
  },
  "LicenseList":{
   "type":"list",
   "member":{"shape":"License"}
  },
  "LicenseOperationFailure":{
   "type":"structure",
   "members":{
    "ResourceArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },

"ResourceType":{
     "shape":"ResourceType",
     "documentation":"<p>Resource type.</p>"
    },
    "ErrorMessage":{
     "shape":"String",
     "documentation":"<p>Error message.</p>"
    },
    "FailureTime":{
     "shape":"DateTime",
     "documentation":"<p>Failure time.</p>"
    },
    "OperationName":{
     "shape":"String",
     "documentation":"<p>Name of the operation.</p>"
    },
    "ResourceOwnerId":{
     "shape":"String",
     "documentation":"<p>ID of the Amazon Web Services account that owns the resource.</p>"
    },
    "OperationRequestedBy":{
     "shape":"String",
     "documentation":"<p>The requester is \"License Manager Automated Discovery\".</p>"
    },
    "MetadataList":{
     "shape":"MetadataList",
     "documentation":"<p>Reserved.</p>"
    }
   },
   "documentation":"<p>Describes the failure of a license operation.</p>"
  },
  "LicenseOperationFailureList":{
   "type":"list",
```

```
  "member":{"shape":"LicenseOperationFailure"}
},
"LicenseSpecification":{
  "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
    },
    "AmiAssociationScope":{
      "shape":"String",
      "documentation":"<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
    }
  },
  "documentation":"<p>Details for associating a license configuration with a resource.</p>"
},
"LicenseSpecifications":{
  "type":"list",
  "member":{"shape":"LicenseSpecification"}
},
"LicenseStatus":{
  "type":"string",
  "enum":[
    "AVAILABLE",
    "PENDING_AVAILABLE",
    "DEACTIVATED",
    "SUSPENDED",
    "EXPIRED",
    "PENDING_DELETE",
     "DELETED"
  ]
},
"LicenseUsage":{
  "type":"structure",
  "members":{
    "EntitlementUsages":{
      "shape":"EntitlementUsageList",
      "documentation":"<p>License entitlement usages.</p>"
    }
  },
  "documentation":"<p>Describes the entitlement usage associated with a license.</p>"
},
"LicenseUsageException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
```

```
    "documentation":"<p>You do not have enough licenses available to support a new resource launch.</p>",
    "exception":true
  },
  "ListAssociationsForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of a license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum
number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListAssociationsForLicenseConfigurationResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurationAssociations":{
        "shape":"LicenseConfigurationAssociations",
        "documentation":"<p>Information about the associations for the license configuration.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListDistributedGrantsRequest":{
    "type":"structure",
    "members":{
      "GrantArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results.
 The following filters are supported:</p> <ul> <li> <p> <code>LicenseArn</code> </p> </li> <li> <p>
<code>GrantStatus</code> </p> </li> <li> <p> <code>GranteePrincipalARN</code> </p> </li> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> </ul>"
```

```
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    },
    "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    }
  }
},
"ListDistributedGrantsResponse":{
  "type":"structure",
  "members":{
    "Grants":{
      "shape":"GrantList",
      "documentation":"<p>Distributed grant details.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListFailuresForLicenseConfigurationOperationsRequest":{
   "type":"structure",
  "required":["LicenseConfigurationArn"],
  "members":{
    "LicenseConfigurationArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name of the license configuration.</p>"
    },
    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListFailuresForLicenseConfigurationOperationsResponse":{
  "type":"structure",
  "members":{
    "LicenseOperationFailureList":{
      "shape":"LicenseOperationFailureList",
      "documentation":"<p>License configuration operations that failed.</p>"
```

```
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }

  },
  "ListLicenseConfigurationsRequest":{
    "type":"structure",
    "members":{
      "LicenseConfigurationArns":{
        "shape":"StringList",
        "documentation":"<p>Amazon Resource Names (ARN) of the license configurations.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>licenseCountingType</code> - The dimension for which licenses are counted.
Possible values are <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li>
 <p> <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license enforcement is
used. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>usagelimitExceeded</code> - A Boolean value that indicates whether the available licenses have been
exceeded. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> </ul>"
      }
    }
  },
  "ListLicenseConfigurationsResponse":{
    "type":"structure",
    "members":{
      "LicenseConfigurations":{
        "shape":"LicenseConfigurations",
        "documentation":"<p>Information about the license configurations.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
```

```
  },
  "ListLicenseConversionTasksRequest":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token
 for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p> Filters to scope the results. Valid filters are <code>ResourceArns</code> and
<code>Status</code>. </p>"
      }
    }
  },
  "ListLicenseConversionTasksResponse":{
    "type":"structure",
    "members":{
      "LicenseConversionTasks":{
        "shape":"LicenseConversionTasks",
        "documentation":"<p>Information about the license configuration tasks for your account.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListLicenseManagerReportGeneratorsRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters
 to scope the results. The following filters are supported: </p> <ul> <li> <p>
<code>LicenseConfigurationArn</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
```

```
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListLicenseManagerReportGeneratorsResponse":{
    "type":"structure",
    "members":{
     "ReportGenerators":{
      "shape":"ReportGeneratorList",
      "documentation":"<p>A report generator that creates periodic reports about your license configurations.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListLicenseSpecificationsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
     "members":{
      "ResourceArn":{
       "shape":"String",
       "documentation":"<p>Amazon Resource Name (ARN) of a resource that has an associated license
configuration.</p>"
      },
      "MaxResults":{
       "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
       "shape":"String",
       "documentation":"<p>Token for the next set of results.</p>"
      }
     }
   },
   "ListLicenseSpecificationsForResourceResponse":{
    "type":"structure",
    "members":{
     "LicenseSpecifications":{
      "shape":"LicenseSpecifications",
      "documentation":"<p>License configurations associated with a resource.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
```

```
  },
  "ListLicenseVersionsRequest":{
    "type":"structure",

    "required":["LicenseArn"],
    "members":{
      "LicenseArn":{
        "shape":"Arn",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListLicenseVersionsResponse":{
    "type":"structure",
    "members":{
      "Licenses":{
        "shape":"LicenseList",
        "documentation":"<p>License details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListLicensesRequest":{
    "type":"structure",
    "members":{
      "LicenseArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names
 (ARNs) of the licenses.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> <li> <p>
<code>Fingerprint</code> </p> </li> <li> <p> <code>Status</code> </p> </li> </ul>"
      },
      "NextToken":{
```

```
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"LicenseList",
      "documentation":"<p>License details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListReceivedGrantsForOrganizationRequest":{
    "type":"structure",
    "required":["LicenseArn"],
    "members":{
     "LicenseArn":{
      "shape":"Arn",
      "documentation":"<p>The Amazon Resource Name (ARN) of the received license.</p>"
     },
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ParentArn</code> </p> </li> <li> <p> <code>GranteePrincipalArn</code> </p> </li> </ul>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListReceivedGrantsForOrganizationResponse":{
    "type":"structure",
    "members":{
```

```
      "Grants":{

  "shape":"GrantList",
        "documentation":"<p>Lists the grants the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedGrantsRequest":{
    "type":"structure",
    "members":{
      "GrantArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the grants.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code> </p> </li> <li> <p> <code>LicenseIssuerName</code> </p> </li> <li> <p>
<code>LicenseArn</code> </p> </li> <li> <p> <code>GrantStatus</code> </p> </li> <li> <p>
<code>GranterAccountId</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
       },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedGrantsResponse":{
    "type":"structure",
    "members":{
      "Grants":{
        "shape":"GrantList",
        "documentation":"<p>Received grant details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
```

```
  "ListReceivedLicensesForOrganizationRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>Beneficiary</code> </p> </li> <li> <p> <code>ProductSKU</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListReceivedLicensesForOrganizationResponse":{
    "type":"structure",
    "members":{
      "Licenses":{
        "shape":"GrantedLicenseList",
        "documentation":"<p>Lists the licenses the organization has received.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListReceivedLicensesRequest":{
    "type":"structure",
    "members":{
      "LicenseArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARNs) of the licenses.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filters are supported:</p> <ul> <li> <p>
<code>ProductSKU</code>
 </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p> <code>Fingerprint</code> </p> </li> <li> <p>
<code>IssuerName</code> </p> </li> <li> <p> <code>Beneficiary</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
```

```
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "MaxResults":{
      "shape":"MaxSize100",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     }
    }
   },
   "ListReceivedLicensesResponse":{
    "type":"structure",
    "members":{
     "Licenses":{
      "shape":"GrantedLicenseList",
      "documentation":"<p>Received license details.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListResourceInventoryRequest":{
    "type":"structure",
    "members":{
     "MaxResults":{
      "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     },
     "Filters":{
      "shape":"InventoryFilterList",
      "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>account_id</code> - The ID of the Amazon Web Services account that owns
the resource. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>application_name</code> - The name of the application. Logical operators are <code>EQUALS</code> |
<code>BEGINS_WITH</code>.</p> </li> <li> <p> <code>license_included</code> - The type of license
included. Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>. Possible values are
<code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code>
 | <code>windows-server-datacenter</code>.</p> </li> <li> <p> <code>platform</code> - The platform of the
resource. Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p> </li> <li> <p>
<code>resource_id</code> - The ID of the resource. Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>tag:&amp;lt;key&amp;gt;</code> - The key/value combination of
a tag assigned to the resource. Logical operators are <code>EQUALS</code> (single account) or
<code>EQUALS</code> | <code>NOT_EQUALS</code> (cross account).</p> </li> </ul>"
     }
```

```
    }
  },
  "ListResourceInventoryResponse":{
    "type":"structure",
    "members":{
      "ResourceInventoryList":{
        "shape":"ResourceInventoryList",
        "documentation":"<p>Information about the resources.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListTagsForResourceRequest":{
    "type":"structure",
    "required":["ResourceArn"],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      }
    }
  },
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>Information about the tags.</p>"
      }
    }
  },
  "ListTokensRequest":{
    "type":"structure",
    "members":{
      "TokenIds":{
        "shape":"StringList",
        "documentation":"<p>Token IDs.</p>"
      },
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>Filters to scope the results. The following filter is supported:</p> <ul> <li> <p>
<code>LicenseArns</code> </p> </li> </ul>"
      },
      "NextToken":{
        "shape":"String",
```

```
        "documentation":"<p>Token for the next set of
 results.</p>"
      },
      "MaxResults":{
        "shape":"MaxSize100",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      }
    }
  },
  "ListTokensResponse":{
    "type":"structure",
    "members":{
      "Tokens":{
        "shape":"TokenList",
        "documentation":"<p>Received token details.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListUsageForLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },

 "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      },
      "Filters":{
        "shape":"Filters",
        "documentation":"<p>Filters to scope the results. The following filters and logical operators are
supported:</p> <ul> <li> <p> <code>resourceArn</code> - The ARN of the license configuration resource. Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p>
<code>resourceType</code> - The resource type (<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> |
<code>EC2_AMI</code> | <code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p> </li> <li> <p> <code>resourceAccount</code>
- The ID of the account that owns the resource. Logical operators are <code>EQUALS</code> |
```

```
<code>NOT_EQUALS</code>.</p> </li> </ul>"
      }
     }
    },
    "ListUsageForLicenseConfigurationResponse":{
     "type":"structure",
     "members":{
       "LicenseConfigurationUsageList":{
        "shape":"LicenseConfigurationUsageList",
        "documentation":"<p>Information about the license configurations.</p>"
       },
       "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
       }
     }
    },
    "Location":{"type":"string"},
    "Long":{"type":"long"},
    "ManagedResourceSummary":{
     "type":"structure",
     "members":{
       "ResourceType":{
        "shape":"ResourceType",
        "documentation":"<p>Type of resource associated with a license.</p>"
       },
       "AssociationCount":{
        "shape":"BoxLong",
        "documentation":"<p>Number of resources associated with licenses.</p>"
       }
     },
     "documentation":"<p>Summary information about a managed resource.</p>"
    },
    "ManagedResourceSummaryList":{
     "type":"list",
     "member":{"shape":"ManagedResourceSummary"}
    },
    "MaxSize100":{
      "type":"integer",
     "max":100,
     "min":1
    },
    "MaxSize3StringList":{
     "type":"list",
     "member":{"shape":"String"},
     "max":3
    },
    "Message":{"type":"string"},
```

```
  "Metadata":{
    "type":"structure",
    "members":{
      "Name":{
        "shape":"String",
        "documentation":"<p>The key name.</p>"
      },
      "Value":{
        "shape":"String",
        "documentation":"<p>The value.</p>"
      }
    },
    "documentation":"<p>Describes key/value pairs.</p>"
  },
  "MetadataList":{
    "type":"list",
    "member":{"shape":"Metadata"}
  },
  "NoEntitlementsAllowedException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
    "exception":true
  },
  "Options":{
    "type":"structure",
    "members":{
      "ActivationOverrideBehavior":{
        "shape":"ActivationOverrideBehavior",
        "documentation":"<p>An activation option for your grant that determines the behavior of activating a grant. Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the <code>Status</code> parameter.</p> <ul> <li> <p>As a license administrator, you can optionally specify an <code>ActivationOverrideBehavior</code> when activating a grant.</p> </li> <li> <p>As a grantor, you can optionally specify an <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee account in your organization.</p> </li> <li> <p>As a grantee, if the grantor creating the distributed grant doesnt specify an <code>ActivationOverrideBehavior</code>, you can optionally specify one when you are activating the grant.</p> </li> </ul> <dl> <dt>DISTRIBUTED_GRANTS_ONLY</dt> <dd> <p>Use this value to activate a grant without replacing any member accounts active grants for the same product.</p> </dd> <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt> <dd> <p>Use this value to activate a grant and disable other active grants in any member accounts for the same product. This action will also replace their previously activated grants with this activated grant.</p> </dd> </dl>"
      }
    },
    "documentation":"<p>The options you can specify when you create a new version of a grant, such as activation
```

```
override behavior. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in License Manager</a> in the <i>License Manager User Guide</i>.</p>"
    },
    "OrganizationConfiguration":{
      "type":"structure",
      "required":["EnableIntegration"],
      "members":{
        "EnableIntegration":{
          "shape":"Boolean",
          "documentation":"<p>Enables Organizations integration.</p>"
        }
      },

     "documentation":"<p>Configuration information for Organizations.</p>"
    },
    "PrincipalArnList":{
      "type":"list",
      "member":{"shape":"Arn"},
      "max":1,
      "min":1
    },
    "ProductInformation":{
      "type":"structure",
      "required":[
        "ResourceType",
        "ProductInformationFilterList"
      ],
      "members":{
        "ResourceType":{
          "shape":"String",
          "documentation":"<p>Resource type. The possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>"
        },
        "ProductInformationFilterList":{
          "shape":"ProductInformationFilterList",
          "documentation":"<p>A Product information filter consists of a <code>ProductInformationFilterComparator</code> which is a logical operator, a <code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a <code>ProductInformationFilterValue</code> that specifies the value to filter on. </p> <p>Accepted values for <code>ProductInformationFilterName</code>
     are listed here along with descriptions and valid options for <code>ProductInformationFilterComparator</code>. </p> <p>The following filters and are supported when the resource type is <code>SSM_MANAGED</code>:</p> <ul> <li> <p> <code>Application Name</code> - The name of the application. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p> <code>Application Publisher</code> - The publisher of the application. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p> <code>Application Version</code> - The version of the application. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p> <code>Platform Name</code> - The name of the platform. Logical operator is <code>EQUALS</code>.</p> </li> <li> <p>
```

<code>Platform Type</code> - The platform type. Logical operator is <code>EQUALS</code>.   <code>Tag:key</code> - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical
operator is <code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you are not using values for the key.   <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is <code>NOT_EQUALS</code>.   <code>License Included</code> - The type of license included. Logical operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>. Possible values are: <code>sql-server-enterprise</code> | <code>sql-server-standard</code> | <code>sql-server-web</code> | <code>windows-server-datacenter</code>.   The following filters and logical operators are supported when the resource type is <code>RDS</code>: <ul> <code>Engine Edition</code> - The edition of the database engine. Logical operator is <code>EQUALS</code>. Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-se2</code>.   <code>License Pack</code> - The license pack. Logical operator is <code>EQUALS</code>. Possible values are: <code>data guard</code> | <code>diagnostic pack sqlt</code> | <code>tuning pack sqlt</code> | <code>ols</code> | <code>olap</code>. "
      }
    },
    "documentation":" Describes product information for a license configuration. "
  },
  "ProductInformationFilter":{
    "type":"structure",
    "required":[
      "ProductInformationFilterName",
      "ProductInformationFilterComparator"
    ],
    "members":{
      "ProductInformationFilterName":{
        "shape":"String",
        "documentation":" Filter name. "
      },
      "ProductInformationFilterValue":{
        "shape":"StringList",
        "documentation":" Filter value. "
      },
      "ProductInformationFilterComparator":{
         "shape":"String",
        "documentation":" Logical operator. "
      }
    },
    "documentation":" Describes product information filters. "
  },
  "ProductInformationFilterList":{
    "type":"list",
    "member":{"shape":"ProductInformationFilter"}
  },
  "ProductInformationList":{

```
    "type":"list",
    "member":{"shape":"ProductInformation"}
  },
  "ProvisionalConfiguration":{
    "type":"structure",
    "required":["MaxTimeToLiveInMinutes"],
    "members":{
      "MaxTimeToLiveInMinutes":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum time for the provisional configuration, in minutes.</p>"
      }
    },
    "documentation":"<p>Details about a provisional configuration.</p>"
  },
  "RateLimitExceededException":{
    "type":"structure",
    "members":{
      "Message":{"shape":"Message"}
    },
    "documentation":"<p>Too many requests have been submitted. Try again after
a brief wait.</p>",
    "exception":true
  },
  "ReceivedMetadata":{
    "type":"structure",
    "members":{
      "ReceivedStatus":{
        "shape":"ReceivedStatus",
        "documentation":"<p>Received status.</p>"
      },
      "ReceivedStatusReason":{
        "shape":"StatusReasonMessage",
        "documentation":"<p>Received status reason.</p>"
      },
      "AllowedOperations":{
        "shape":"AllowedOperationList",
        "documentation":"<p>Allowed operations.</p>"
      }
    },
    "documentation":"<p>Metadata associated with received licenses and grants.</p>"
  },
  "ReceivedStatus":{
    "type":"string",
    "enum":[
      "PENDING_WORKFLOW",
      "PENDING_ACCEPT",
      "REJECTED",
      "ACTIVE",
```

```
    "FAILED_WORKFLOW",
    "DELETED",
    "DISABLED",
    "WORKFLOW_COMPLETED"
   ]
  },
  "RedirectException":{
   "type":"structure",
   "members":{
    "Location":{"shape":"Location"},
     "Message":{"shape":"Message"}
   },
   "documentation":"<p>This is not the correct Region for the resource. Try again.</p>",
   "exception":true
  },
  "RejectGrantRequest":{
   "type":"structure",
   "required":["GrantArn"],
   "members":{
    "GrantArn":{
     "shape":"Arn",
     "documentation":"<p>Amazon Resource Name (ARN) of the grant.</p>"
    }
   }
  },
  "RejectGrantResponse":{
   "type":"structure",
   "members":{
    "GrantArn":{
     "shape":"Arn",
     "documentation":"<p>Grant ARN.</p>"
    },
    "Status":{
     "shape":"GrantStatus",
     "documentation":"<p>Grant status.</p>"
    },
    "Version":{
     "shape":"String",
     "documentation":"<p>Grant version.</p>"
    }
   }
  },
  "RenewType":{
   "type":"string",
   "enum":[
    "None",
    "Weekly",
    "Monthly"
```

```
    ]
   },
   "ReportContext":{
    "type":"structure",
     "required":["licenseConfigurationArns"],
    "members":{
     "licenseConfigurationArns":{
      "shape":"ArnList",
      "documentation":"<p>Amazon Resource Name (ARN) of the license configuration that this generator reports on.</p>"
     }
    },
    "documentation":"<p>Details of the license configuration that this generator reports on.</p>"
   },
   "ReportFrequency":{
    "type":"structure",
    "members":{
     "value":{
      "shape":"Integer",
      "documentation":"<p>Number of times within the frequency period that a report is generated. The only supported value is <code>1</code>.</p>"
     },
     "period":{
      "shape":"ReportFrequencyType",
      "documentation":"<p>Time period between each report. The period can be daily, weekly, or monthly.</p>"
     }
    },
    "documentation":"<p>Details about how frequently reports are generated.</p>"
   },
   "ReportFrequencyType":{
    "type":"string",
    "enum":[
     "DAY",
     "WEEK",
     "MONTH"
    ]
   },
   "ReportGenerator":{
    "type":"structure",
    "members":{
     "ReportGeneratorName":{
      "shape":"String",
      "documentation":"<p>Name of the report generator.</p>"
     },
     "ReportType":{
      "shape":"ReportTypeList",
      "documentation":"<p>Type of reports that are generated.</p>"
     },
```

```
    "ReportContext":{
      "shape":"ReportContext",
      "documentation":"<p>License configuration type for this generator.</p>"
    },
    "ReportFrequency":{
      "shape":"ReportFrequency",
      "documentation":"<p>Details about how frequently reports are generated.</p>"
    },
    "LicenseManagerReportGeneratorArn":{
      "shape":"String",
      "documentation":"<p>Amazon Resource Name (ARN) of the report generator.</p>"
    },
    "LastRunStatus":{
      "shape":"String",
      "documentation":"<p>Status of the
last report generation attempt.</p>"
    },
    "LastRunFailureReason":{
      "shape":"String",
      "documentation":"<p>Failure message for the last report generation attempt.</p>"
    },
    "LastReportGenerationTime":{
      "shape":"String",
      "documentation":"<p>Time the last report was generated at.</p>"
    },
    "ReportCreatorAccount":{
      "shape":"String",
      "documentation":"<p>The Amazon Web Services account ID used to create the report generator.</p>"
    },
    "Description":{
      "shape":"String",
      "documentation":"<p>Description of the report generator.</p>"
    },
    "S3Location":{
      "shape":"S3Location",
      "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
    },
    "CreateTime":{
      "shape":"String",
      "documentation":"<p>Time the report was created.</p>"
    },
    "Tags":{

  "shape":"TagList",
      "documentation":"<p>Tags associated with the report generator.</p>"
    }
   },
   "documentation":"<p>Describe the details of a report generator.</p>"
```

```
},
"ReportGeneratorList":{
  "type":"list",
  "member":{"shape":"ReportGenerator"}
},
"ReportGeneratorName":{
  "type":"string",
  "max":100,
  "min":1
},
"ReportType":{
  "type":"string",
  "enum":[
    "LicenseConfigurationSummaryReport",
    "LicenseConfigurationUsageReport"
  ]
},
"ReportTypeList":{
  "type":"list",
  "member":{"shape":"ReportType"}
},
"ResourceInventory":{
  "type":"structure",
  "members":{
    "ResourceId":{
      "shape":"String",
      "documentation":"<p>ID of the resource.</p>"
    },
    "ResourceType":{
      "shape":"ResourceType",
      "documentation":"<p>Type of resource.</p>"
    },
    "ResourceArn":{
      "shape":"String",
       "documentation":"<p>Amazon Resource Name (ARN) of the resource.</p>"
    },
    "Platform":{
      "shape":"String",
      "documentation":"<p>Platform of the resource.</p>"
    },
    "PlatformVersion":{
      "shape":"String",
      "documentation":"<p>Platform version of the resource in the inventory.</p>"
    },
    "ResourceOwningAccountId":{
      "shape":"String",
      "documentation":"<p>ID of the account that owns the resource.</p>"
    }
```

```
  },
  "documentation":"<p>Details about a resource.</p>"
},
"ResourceInventoryList":{
  "type":"list",
  "member":{"shape":"ResourceInventory"}
},
"ResourceLimitExceededException":{
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>Your resource limits have been exceeded.</p>",
  "exception":true
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
     "Message":{"shape":"Message"}
  },
  "documentation":"<p>The resource cannot be found.</p>",
  "exception":true
},
"ResourceType":{
  "type":"string",
  "enum":[
    "EC2_INSTANCE",
    "EC2_HOST",
    "EC2_AMI",
    "RDS",
    "SYSTEMS_MANAGER_MANAGED_INSTANCE"
  ]
},
"S3Location":{
  "type":"structure",
  "members":{
    "bucket":{
      "shape":"String",
      "documentation":"<p>Name of the S3 bucket reports are published to.</p>"
    },
    "keyPrefix":{
      "shape":"String",
      "documentation":"<p>Prefix of the S3 bucket reports are published to.</p>"
    }
  },
  "documentation":"<p>Details of the S3 bucket that report generator reports are published to.</p>"
},
"ServerInternalException":{
```

```
  "type":"structure",
  "members":{
    "Message":{"shape":"Message"}
  },
  "documentation":"<p>The server experienced an internal error. Try again.</p>",
   "exception":true,
  "fault":true
},
"SignedToken":{
  "type":"string",
  "min":4096
},
"StatusReasonMessage":{
  "type":"string",
  "max":400,
  "pattern":"[\\s\\S]+"
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"String"}
},
"Tag":{
  "type":"structure",
  "members":{
    "Key":{
      "shape":"String",
      "documentation":"<p>Tag key.</p>"
    },
    "Value":{
      "shape":"String",
      "documentation":"<p>Tag value.</p>"
    }
  },
  "documentation":"<p>Details about a tag for a license configuration.</p>"
},
"TagKeyList":{
  "type":"list",
  "member":{"shape":"String"}
},
"TagList":{
  "type":"list",
  "member":{"shape":"Tag"}
},
"TagResourceRequest":{
  "type":"structure",
  "required":[
    "ResourceArn",
```

```
      "Tags"
    ],
    "members":{
      "ResourceArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "Tags":{
        "shape":"TagList",
        "documentation":"<p>One or more tags.</p>"
      }
    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "TokenData":{
    "type":"structure",
    "members":{
      "TokenId":{
        "shape":"String",
        "documentation":"<p>Token ID.</p>"
      },
      "TokenType":{
        "shape":"String",
        "documentation":"<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
      },
      "LicenseArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license.</p>"
      },
      "ExpirationTime":{
        "shape":"ISO8601DateTime",
        "documentation":"<p>Token expiration time, in ISO8601-UTC format.</p>"
      },
      "TokenProperties":{
        "shape":"MaxSize3StringList",
        "documentation":"<p>Data specified by the caller.</p>"
      },
      "RoleArns":{
        "shape":"ArnList",
        "documentation":"<p>Amazon Resource Names (ARN) of the roles included in the token.</p>"
      },
      "Status":{
        "shape":"String",
```

```
        "documentation":"<p>Token status. The possible values are <code>AVAILABLE</code> and
<code>DELETED</code>.</p>"
       }
     },
     "documentation":"<p>Describes a token.</p>"
   },
   "TokenList":{
     "type":"list",
     "member":{"shape":"TokenData"}
   },
   "TokenString":{
     "type":"string",
     "max":4096,
     "pattern":"\\S+"
   },
   "TokenType":{
     "type":"string",
     "enum":["REFRESH_TOKEN"]
   },
   "UnsupportedDigitalSignatureMethodException":{
     "type":"structure",
     "members":{
       "Message":{"shape":"Message"}
     },
     "documentation":"<p>The digital signature method is unsupported.
 Try your request again.</p>",
     "exception":true
   },
   "UntagResourceRequest":{
     "type":"structure",
     "required":[
       "ResourceArn",
       "TagKeys"
     ],
     "members":{
       "ResourceArn":{
         "shape":"String",
         "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
       },
       "TagKeys":{
         "shape":"TagKeyList",
         "documentation":"<p>Keys identifying the tags to remove.</p>"
       }
     }
   },
   "UntagResourceResponse":{
     "type":"structure",
     "members":{
```

```
    }
  },
  "UpdateLicenseConfigurationRequest":{
    "type":"structure",
    "required":["LicenseConfigurationArn"],
    "members":{
      "LicenseConfigurationArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the license configuration.</p>"
      },
      "LicenseConfigurationStatus":{
        "shape":"LicenseConfigurationStatus",
        "documentation":"<p>New
 status of the license configuration.</p>"
      },
      "LicenseRules":{
        "shape":"StringList",
        "documentation":"<p>New license rule. The only rule that you can add after you create a license configuration
 is licenseAffinityToHost.</p>"
      },
      "LicenseCount":{
        "shape":"BoxLong",
        "documentation":"<p>New number of licenses managed by the license configuration.</p>"
      },
      "LicenseCountHardLimit":{
        "shape":"BoxBoolean",
        "documentation":"<p>New hard limit of the number of available licenses.</p>"
      },
      "Name":{
        "shape":"String",
        "documentation":"<p>New name of the license configuration.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>New description of the license configuration.</p>"
      },
      "ProductInformationList":{
        "shape":"ProductInformationList",
        "documentation":"<p>New
 product information.</p>"
      },
      "DisassociateWhenNotFound":{
        "shape":"BoxBoolean",
        "documentation":"<p>When true, disassociates a resource when software is uninstalled.</p>"
      }
    }
  },
  "UpdateLicenseConfigurationResponse":{
```

```
    "type":"structure",
    "members":{
    }
  },
  "UpdateLicenseManagerReportGeneratorRequest":{
    "type":"structure",
    "required":[
      "LicenseManagerReportGeneratorArn",
      "ReportGeneratorName",
      "Type",
      "ReportContext",
      "ReportFrequency",
      "ClientToken"
    ],
    "members":{
      "LicenseManagerReportGeneratorArn":{
        "shape":"String",
        "documentation":"<p>Amazon Resource Name (ARN) of the report generator to update.</p>"
      },
      "ReportGeneratorName":{
        "shape":"ReportGeneratorName",
        "documentation":"<p>Name of the report generator.</p>"
      },
      "Type":{
        "shape":"ReportTypeList",
        "documentation":"<p>Type of reports to generate. The following report types are supported:</p> <ul> <li> <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p> </li> <li> <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p> </li> </ul>"
      },
      "ReportContext":{
        "shape":"ReportContext",
        "documentation":"<p>The report context.</p>"
      },
      "ReportFrequency":{
        "shape":"ReportFrequency",
        "documentation":"<p>Frequency by which reports are generated.</p>"
      },
      "ClientToken":{
        "shape":"ClientRequestToken",
        "documentation":"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>"
      },
      "Description":{
        "shape":"String",
        "documentation":"<p>Description of the report generator.</p>"
```

```
  }
   }
  },
  "UpdateLicenseManagerReportGeneratorResponse":{
   "type":"structure",
   "members":{
   }
  },
  "UpdateLicenseSpecificationsForResourceRequest":{
   "type":"structure",
   "required":["ResourceArn"],
   "members":{
    "ResourceArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>"
    },
    "AddLicenseSpecifications":{
     "shape":"LicenseSpecifications",
     "documentation":"<p>ARNs of the license configurations to add.</p>"
    },
    "RemoveLicenseSpecifications":{
     "shape":"LicenseSpecifications",
     "documentation":"<p>ARNs of the license configurations to remove.</p>"
    }
   }
  },
  "UpdateLicenseSpecificationsForResourceResponse":{
   "type":"structure",
   "members":{
   }
  },
  "UpdateServiceSettingsRequest":{
   "type":"structure",
   "members":{
    "S3BucketArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where the License Manager information is stored.</p>"
    },
    "SnsTopicArn":{
     "shape":"String",
     "documentation":"<p>Amazon Resource Name (ARN) of the Amazon SNS topic used for License Manager alerts.</p>"
    },
    "OrganizationConfiguration":{
     "shape":"OrganizationConfiguration",
     "documentation":"<p>Enables integration with Organizations for cross-account discovery.</p>"
    },
```

```
    "EnableCrossAccountsDiscovery":{
      "shape":"BoxBoolean",
      "documentation":"<p>Activates cross-account discovery.</p>"
    }
   }
  },
  "UpdateServiceSettingsResponse":{
   "type":"structure",
   "members":{
   }
  },
  "UsageOperation":{
   "type":"string",
   "max":50
  },
  "ValidationException":{
   "type":"structure",
   "members":{
    "Message":{"shape":"Message"}
   },
   "documentation":"<p>The provided input is not valid. Try your request again.</p>",
   "exception":true
  }
 },
 "documentation":"<p>License Manager makes it easier to manage licenses from software vendors across multiple Amazon Web Services accounts and on-premises servers.</p>"
}
{
  "testCases": [
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
        }
```

```
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-east-1 with FIPS disabled and DualStack
enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
      }
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
       }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
```

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    "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"

      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
      }
    },
    "params": {
      "Region": "us-gov-east-1",
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            "UseFIPS": true,
            "UseDualStack": true
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": true,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": true

}
    },
    {
        "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "us-gov-east-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
        "expect": {
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
```

```
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",

   "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
      }
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "error": "DualStack is enabled but this partition does not support DualStack"
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
       }
    },
    "params": {
      "Region": "us-iso-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
```

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      "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
    },
    "params": {
      "Region": "us-isob-east-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
      }
    },
    "params": {
      "Region": "us-isob-east-1",

     "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "error": "DualStack is enabled but this partition does not support DualStack"
    },
    "params": {
      "Region": "us-isob-east-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
      }
    },
    "params": {
      "Region": "us-isob-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation":
```

```
"For custom endpoint with region set and fips disabled and dualstack disabled",
      "expect": {
        "endpoint": {
          "url": "https://example.com"
        }
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": false,
        "UseDualStack": false,
        "Endpoint": "https://example.com"
      }
    },
    {
      "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
      "expect": {
        "endpoint": {
          "url": "https://example.com"
        }
      },
      "params": {
        "UseFIPS": false,
        "UseDualStack": false,
        "Endpoint": "https://example.com"
      }
    },
    {
      "documentation": "For custom endpoint with fips enabled and dualstack disabled",
      "expect": {

  "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": true,
        "UseDualStack": false,
        "Endpoint": "https://example.com"
      }
    },
    {
      "documentation": "For custom endpoint with fips disabled and dualstack enabled",
      "expect": {
        "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
      },
      "params": {
        "Region": "us-east-1",
        "UseFIPS": false,
        "UseDualStack": true,
```

```
            "Endpoint": "https://example.com"
          }
        },
        {
          "documentation": "Missing region",
          "expect": {
            "error": "Invalid Configuration: Missing Region"
          }
        }
    ],
    "version": "1.0"
}
{
 "version":"2.0",
 "metadata":{
   "apiVersion":"2018-05-10",
   "endpointPrefix":"license-manager-user-subscriptions",
   "jsonVersion":"1.1",
   "protocol":"rest-json",
   "serviceFullName":"AWS License Manager User Subscriptions",
   "serviceId":"License Manager User Subscriptions",
   "signatureVersion":"v4",
   "signingName":"license-manager-user-subscriptions",
   "uid":"license-manager-user-subscriptions-2018-05-10"
 },
 "operations":{
   "AssociateUser":{
     "name":"AssociateUser",
     "http":{
       "method":"POST",
       "requestUri":"/user/AssociateUser",
       "responseCode":200
     },
     "input":{"shape":"AssociateUserRequest"},
     "output":{"shape":"AssociateUserResponse"},
     "errors":[
       {"shape":"ServiceQuotaExceededException"},
       {"shape":"ConflictException"},
       {"shape":"ValidationException"},
       {"shape":"ThrottlingException"},
       {"shape":"InternalServerException"},
       {"shape":"ResourceNotFoundException"},
        {"shape":"AccessDeniedException"}
     ],
     "documentation":"<p>Associates the user to an EC2 instance to utilize user-based subscriptions.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
```

```
your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>",
    "idempotent":true
  },
  "DeregisterIdentityProvider":{
    "name":"DeregisterIdentityProvider",
    "http":{
      "method":"POST",
      "requestUri":"/identity-provider/DeregisterIdentityProvider",
      "responseCode":200
    },
    "input":{"shape":"DeregisterIdentityProviderRequest"},
    "output":{"shape":"DeregisterIdentityProviderResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Deregisters the identity provider from providing user-based subscriptions.</p>",
    "idempotent":true
  },
  "DisassociateUser":{
    "name":"DisassociateUser",
    "http":{
      "method":"POST",
      "requestUri":"/user/DisassociateUser",
      "responseCode":200
    },
    "input":{"shape":"DisassociateUserRequest"},
    "output":{"shape":"DisassociateUserResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Disassociates the user from an EC2 instance providing user-based subscriptions.</p>",
    "idempotent":true
  },
  "ListIdentityProviders":{
    "name":"ListIdentityProviders",
    "http":{
```

```
    "method":"POST",
    "requestUri":"/identity-provider/ListIdentityProviders",
    "responseCode":200
   },
   "input":{"shape":"ListIdentityProvidersRequest"},
   "output":{"shape":"ListIdentityProvidersResponse"},
   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists the identity providers for user-based subscriptions.</p>"
  },
  "ListInstances":{
   "name":"ListInstances",
    "http":{
    "method":"POST",
    "requestUri":"/instance/ListInstances",
    "responseCode":200
   },
   "input":{"shape":"ListInstancesRequest"},
   "output":{"shape":"ListInstancesResponse"},
   "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
   ],
   "documentation":"<p>Lists the EC2 instances providing user-based subscriptions.</p>"
  },
  "ListProductSubscriptions":{
   "name":"ListProductSubscriptions",
   "http":{
    "method":"POST",
    "requestUri":"/user/ListProductSubscriptions",
    "responseCode":200
   },
   "input":{"shape":"ListProductSubscriptionsRequest"},
   "output":{"shape":"ListProductSubscriptionsResponse"},
```

```
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists the user-based subscription products available from an identity provider.</p>"
},
"ListUserAssociations":{
  "name":"ListUserAssociations",
  "http":{
    "method":"POST",
    "requestUri":"/user/ListUserAssociations",
    "responseCode":200
  },
  "input":{"shape":"ListUserAssociationsRequest"},
  "output":{"shape":"ListUserAssociationsResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"AccessDeniedException"}
  ],
  "documentation":"<p>Lists user associations for an identity provider.</p>"
},
"RegisterIdentityProvider":{
  "name":"RegisterIdentityProvider",
  "http":{
    "method":"POST",
    "requestUri":"/identity-provider/RegisterIdentityProvider",
    "responseCode":200
  },
  "input":{"shape":"RegisterIdentityProviderRequest"},
  "output":{"shape":"RegisterIdentityProviderResponse"},
  "errors":[
    {"shape":"ServiceQuotaExceededException"},
    {"shape":"ConflictException"},
    {"shape":"ValidationException"},
    {"shape":"ThrottlingException"},
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"AccessDeniedException"}
```

```
    ],
    "documentation":"<p>Registers an identity provider for user-based subscriptions.</p>",
    "idempotent":true
  },
  "StartProductSubscription":{
    "name":"StartProductSubscription",
    "http":{
      "method":"POST",
      "requestUri":"/user/StartProductSubscription",
      "responseCode":200
    },
    "input":{"shape":"StartProductSubscriptionRequest"},
    "output":{"shape":"StartProductSubscriptionResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Starts a product subscription for a user with the specified identity provider.</p> <note>
<p>Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing
periods that haven't closed (marked as <b>Pending</b> billing status) in Amazon Web Services Billing. For more
information, see <a href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing
 your monthly charges</a> in the <i>Amazon Web Services Billing User Guide</i>.</p> </note>"
  },
  "StopProductSubscription":{
    "name":"StopProductSubscription",
    "http":{
      "method":"POST",
      "requestUri":"/user/StopProductSubscription",
      "responseCode":200
    },
    "input":{"shape":"StopProductSubscriptionRequest"},
    "output":{"shape":"StopProductSubscriptionResponse"},
    "errors":[
      {"shape":"ServiceQuotaExceededException"},
      {"shape":"ConflictException"},
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Stops a product subscription for a user with the specified identity provider.</p>"
  },
```

```
  "UpdateIdentityProviderSettings":{
    "name":"UpdateIdentityProviderSettings",
     "http":{
      "method":"POST",
      "requestUri":"/identity-provider/UpdateIdentityProviderSettings",
      "responseCode":200
    },
    "input":{"shape":"UpdateIdentityProviderSettingsRequest"},
    "output":{"shape":"UpdateIdentityProviderSettingsResponse"},
    "errors":[
      {"shape":"ValidationException"},
      {"shape":"ThrottlingException"},
      {"shape":"InternalServerException"},
      {"shape":"AccessDeniedException"}
    ],
    "documentation":"<p>Updates additional product configuration settings for the registered identity
provider.</p>",
    "idempotent":true
  }
 },
 "shapes":{
  "AccessDeniedException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>You don't have sufficient access to perform this action.</p>",
    "exception":true
  },
  "ActiveDirectoryIdentityProvider":{
    "type":"structure",
    "members":{
       "DirectoryId":{
        "shape":"String",
        "documentation":"<p>The directory ID for an Active Directory identity provider.</p>"
      }
    },
    "documentation":"<p>Details about an Active Directory identity provider.</p>"
  },
  "AssociateUserRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "InstanceId",
      "Username"
    ],
    "members":{
      "Domain":{
```

```
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
       },
       "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>The identity provider of the user.</p>"
       },
       "InstanceId":{
        "shape":"String",
        "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
       },
       "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider for the user.</p>"
       }
      }
     },
     "AssociateUserResponse":{
      "type":"structure",
      "required":["InstanceUserSummary"],
      "members":{
       "InstanceUserSummary":{
        "shape":"InstanceUserSummary",
        "documentation":"<p>Metadata that describes the associate user operation.</p>"
       }
      }
     },
     "BoxInteger":{
      "type":"integer",
      "box":true
     },
     "ConflictException":{
      "type":"structure",
      "members":{
       "message":{"shape":"String"}
      },
      "documentation":"<p>The request couldn't be completed because it conflicted with the current state of the
resource.</p>",
      "exception":true,
      "fault":true
     },
     "DeregisterIdentityProviderRequest":{
      "type":"structure",
      "required":[
       "IdentityProvider",
       "Product"
      ],
      "members":{
```

```
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
    "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
    }
  }
},
"DeregisterIdentityProviderResponse":{
  "type":"structure",
  "required":["IdentityProviderSummary"],
  "members":{
    "IdentityProviderSummary":{
      "shape":"IdentityProviderSummary",
      "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
    }
  }
},
"DisassociateUserRequest":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "InstanceId",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },

"InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },
    "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider for the user.</p>"
    }
  }
},
"DisassociateUserResponse":{
```

```
    "type":"structure",
    "required":["InstanceUserSummary"],
    "members":{
      "InstanceUserSummary":{
        "shape":"InstanceUserSummary",
        "documentation":"<p>Metadata that describes the associate user operation.</p>"
      }
    }
  },
  "Filter":{
    "type":"structure",
    "members":{
      "Attribute":{
        "shape":"String",
        "documentation":"<p>The name of an attribute to use as a filter.</p>"
      },
      "Operation":{
        "shape":"String",
        "documentation":"<p>The type of search (For example, eq, geq, leq)</p>"
      },
      "Value":{

  "shape":"String",
        "documentation":"<p>Value of the filter.</p>"
      }
    },
    "documentation":"<p>A filter name and value pair that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria, such as tags, attributes, or IDs.</p>"
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
  },
  "IdentityProvider":{
    "type":"structure",
    "members":{
      "ActiveDirectoryIdentityProvider":{
        "shape":"ActiveDirectoryIdentityProvider",
        "documentation":"<p>An object that details an Active Directory identity provider.</p>"
      }
    },
    "documentation":"<p>Details about an identity provider.</p>",
    "union":true
  },
  "IdentityProviderSummary":{
    "type":"structure",
    "required":[
      "IdentityProvider",
```

```
      "Product",
      "Settings",
      "Status"
    ],
    "members":{
      "FailureMessage":{
        "shape":"String",
        "documentation":"<p>The failure message associated with an identity provider.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Settings":{
        "shape":"Settings",
        "documentation":"<p>An object that details the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of an identity provider.</p>"
      }
    },
    "documentation":"<p>Describes an identity provider.</p>"
  },
  "IdentityProviderSummaryList":{
    "type":"list",
    "member":{"shape":"IdentityProviderSummary"}
  },
  "InstanceSummary":{
    "type":"structure",
    "required":[
      "InstanceId",
      "Products",
      "Status"
    ],
    "members":{
      "InstanceId":{
        "shape":"String",
        "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
      },
      "LastStatusCheckDate":{
        "shape":"String",
        "documentation":"<p>The date of the last status check.</p>"
```

```
    },
    "Products":{
      "shape":"StringList",
      "documentation":"<p>A list of provided user-based subscription products.</p>"
    },
    "Status":{
      "shape":"String",
      "documentation":"<p>The status of an EC2 instance resource.</p>"
    },
    "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for an EC2 instance.</p>"
    }
  },
  "documentation":"<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 },
"InstanceSummaryList":{
  "type":"list",
  "member":{"shape":"InstanceSummary"}
},
"InstanceUserSummary":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "InstanceId",
    "Status",
    "Username"
  ],
  "members":{
    "AssociationDate":{
      "shape":"String",
      "documentation":"<p>The date a user was associated with an EC2 instance.</p>"
    },
    "DisassociationDate":{
      "shape":"String",
      "documentation":"<p>The date a user was disassociated from an EC2 instance.</p>"
    },
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID
```

```
of the EC2 instance, which provides user-based subscriptions.</p>"
      },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of a user associated with an EC2 instance.</p>"
      },
      "StatusMessage":{
        "shape":"String",
        "documentation":"<p>The status message for users of an EC2 instance.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider for the user.</p>"
      }
    },
    "documentation":"<p>Describes users of an EC2 instance providing user-based subscriptions.</p>"
  },
  "InstanceUserSummaryList":{
    "type":"list",
    "member":{"shape":"InstanceUserSummary"}
  },
  "InternalServerException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>An exception occurred with the service.</p>",
    "exception":true,
    "fault":true
  },
  "ListIdentityProvidersRequest":{
     "type":"structure",
    "members":{
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>Token for the next set of results.</p>"
      }
    }
  },
  "ListIdentityProvidersResponse":{
    "type":"structure",
    "required":["IdentityProviderSummaries"],
    "members":{
      "IdentityProviderSummaries":{
```

```
      "shape":"IdentityProviderSummaryList",
      "documentation":"<p>Metadata that describes the list identity providers operation.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListInstancesRequest":{
    "type":"structure",
    "members":{
     "Filters":{
      "shape":"FilterList",
      "documentation":"<p>An
 array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that
you specify.</p>"
     },
     "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListInstancesResponse":{
    "type":"structure",
    "members":{
     "InstanceSummaries":{
      "shape":"InstanceSummaryList",
      "documentation":"<p>Metadata that describes the list instances operation.</p>"
     },
     "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
     }
    }
   },
   "ListProductSubscriptionsRequest":{
    "type":"structure",
    "required":[
     "IdentityProvider",
     "Product"
    ],
    "members":{
```

```
      "Filters":{
       "shape":"FilterList",
       "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
      },
      "IdentityProvider":{
       "shape":"IdentityProvider",
       "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "MaxResults":{
       "shape":"BoxInteger",
       "documentation":"<p>Maximum number of results to return in a single call.</p>"
      },
      "NextToken":{
       "shape":"String",
       "documentation":"<p>Token for the next set of results.</p>"
      },
      "Product":{
       "shape":"String",
       "documentation":"<p>The name of the user-based subscription product.</p>"
      }
     }
    },
    "ListProductSubscriptionsResponse":{
     "type":"structure",
     "members":{
      "NextToken":{
       "shape":"String",
       "documentation":"<p>Token
 for the next set of results.</p>"
      },
      "ProductUserSummaries":{
       "shape":"ProductUserSummaryList",
       "documentation":"<p>Metadata that describes the list product subscriptions operation.</p>"
      }
     }
    },
    "ListUserAssociationsRequest":{
     "type":"structure",
     "required":[
      "IdentityProvider",
      "InstanceId"
     ],
     "members":{
      "Filters":{
       "shape":"FilterList",
       "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify.</p>"
```

```
    },
    "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
    },
    "InstanceId":{
      "shape":"String",
      "documentation":"<p>The ID of the EC2 instance, which provides user-based subscriptions.</p>"
    },

    "MaxResults":{
      "shape":"BoxInteger",
      "documentation":"<p>Maximum number of results to return in a single call.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ListUserAssociationsResponse":{
  "type":"structure",
  "members":{
    "InstanceUserSummaries":{
      "shape":"InstanceUserSummaryList",
      "documentation":"<p>Metadata that describes the list user association operation.</p>"
    },
    "NextToken":{
      "shape":"String",
      "documentation":"<p>Token for the next set of results.</p>"
    }
  }
},
"ProductUserSummary":{
  "type":"structure",
  "required":[
    "IdentityProvider",
    "Product",
    "Status",
    "Username"
  ],
  "members":{
    "Domain":{
      "shape":"String",
      "documentation":"<p>The domain name of the user.</p>"
     },
    "IdentityProvider":{
      "shape":"IdentityProvider",
```

```
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
     "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
     },
     "Status":{
      "shape":"String",
      "documentation":"<p>The status of a product for a user.</p>"
     },
     "StatusMessage":{
      "shape":"String",
      "documentation":"<p>The status message for a product for a user.</p>"
     },
     "SubscriptionEndDate":{
      "shape":"String",
      "documentation":"<p>The end date of a subscription.</p>"
     },
     "SubscriptionStartDate":{
      "shape":"String",
      "documentation":"<p>The start date of a subscription.</p>"
     },
     "Username":{
      "shape":"String",
      "documentation":"<p>The user name from the identity provider
of the user.</p>"
     }
    },
    "documentation":"<p>The summary of the user-based subscription products for a user.</p>"
   },
   "ProductUserSummaryList":{
    "type":"list",
    "member":{"shape":"ProductUserSummary"}
   },
   "RegisterIdentityProviderRequest":{
    "type":"structure",
    "required":[
     "IdentityProvider",
     "Product"
    ],
    "members":{
     "IdentityProvider":{
      "shape":"IdentityProvider",
      "documentation":"<p>An object that specifies details for the identity provider.</p>"
     },
     "Product":{
      "shape":"String",
      "documentation":"<p>The name of the user-based subscription product.</p>"
```

```
    },
    "Settings":{
      "shape":"Settings",
      "documentation":"<p>The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
    }
   }
  },
  "RegisterIdentityProviderResponse":{

  "type":"structure",
   "required":["IdentityProviderSummary"],
   "members":{
    "IdentityProviderSummary":{
     "shape":"IdentityProviderSummary",
     "documentation":"<p>Metadata that describes the results of an identity provider operation.</p>"
    }
   }
  },
  "ResourceNotFoundException":{
   "type":"structure",
   "members":{
    "message":{"shape":"String"}
   },
   "documentation":"<p>The resource couldn't be found.</p>",
   "error":{
    "httpStatusCode":404,
    "senderFault":true
   },
   "exception":true
  },
  "SecurityGroup":{
   "type":"string",
   "max":200,
   "min":5,
   "pattern":"^sg-(([0-9a-z]{8})|([0-9a-z]{17}))$"
  },
  "ServiceQuotaExceededException":{
   "type":"structure",
   "members":{
    "message":{"shape":"String"}
   },
   "documentation":"<p>The request failed because a service quota is exceeded.</p>",
   "exception":true
  },
  "Settings":{
    "type":"structure",
   "required":[
```

```
      "SecurityGroupId",
      "Subnets"
    ],
    "members":{
      "SecurityGroupId":{
        "shape":"SecurityGroup",
        "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoint for activation servers.</p>"
      },
      "Subnets":{
        "shape":"SettingsSubnetsList",
        "documentation":"<p>The subnets defined for the registered identity provider.</p>"
      }
    },
    "documentation":"<p>The registered identity providers product related configuration settings such as the subnets to provision VPC endpoints, and the security group ID that is associated with the VPC endpoints. The security group should permit inbound TCP port 1688 communication from resources in the VPC.</p>"
  },
  "SettingsSubnetsList":{
    "type":"list",
    "member":{"shape":"Subnet"},
    "min":1
  },
  "StartProductSubscriptionRequest":{
     "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "Username"
    ],
    "members":{
      "Domain":{
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider of the user.</p>"
      }
    }
```

```
  },
  "StartProductSubscriptionResponse":{
    "type":"structure",
    "required":["ProductUserSummary"],
    "members":{
      "ProductUserSummary":{
        "shape":"ProductUserSummary",
        "documentation":"<p>Metadata that describes
the start product subscription operation.</p>"
      }
    }
  },
  "StopProductSubscriptionRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "Username"
    ],
    "members":{
      "Domain":{
        "shape":"String",
        "documentation":"<p>The domain name of the user.</p>"
      },
      "IdentityProvider":{
        "shape":"IdentityProvider",
        "documentation":"<p>An object that specifies details for the identity provider.</p>"
      },
      "Product":{
        "shape":"String",
        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "Username":{
        "shape":"String",
        "documentation":"<p>The user name from the identity provider for the user.</p>"
      }
    }
  },
  "StopProductSubscriptionResponse":{
    "type":"structure",
    "required":["ProductUserSummary"],
    "members":{
      "ProductUserSummary":{
        "shape":"ProductUserSummary",
        "documentation":"<p>Metadata that describes the start product subscription operation.</p>"
      }
    }
  },
```

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  "String":{"type":"string"},
  "StringList":{
    "type":"list",
    "member":{"shape":"String"}
  },
  "Subnet":{
    "type":"string",
    "pattern":"subnet-[a-z0-9]{8,17}"
  },
  "Subnets":{
    "type":"list",
    "member":{"shape":"Subnet"}
  },
  "ThrottlingException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request was denied because of request throttling. Retry the request.</p>",
    "exception":true
  },
  "UpdateIdentityProviderSettingsRequest":{
    "type":"structure",
    "required":[
      "IdentityProvider",
      "Product",
      "UpdateSettings"
    ],
    "members":{
      "IdentityProvider":{"shape":"IdentityProvider"},
      "Product":{
        "shape":"String",

        "documentation":"<p>The name of the user-based subscription product.</p>"
      },
      "UpdateSettings":{
        "shape":"UpdateSettings",
        "documentation":"<p>Updates the registered identity providers product related configuration settings. You can update any combination of settings in a single operation such as the:</p> <ul> <li> <p>Subnets which you want to add to provision VPC endpoints.</p> </li> <li> <p>Subnets which you want to remove the VPC endpoints from.</p> </li> <li> <p>Security group ID which permits traffic to the VPC endpoints.</p> </li> </ul>"
      }
    }
  },
  "UpdateIdentityProviderSettingsResponse":{
    "type":"structure",
    "required":["IdentityProviderSummary"],
    "members":{
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      "IdentityProviderSummary":{"shape":"IdentityProviderSummary"}
    }
  },
  "UpdateSettings":{
    "type":"structure",
    "required":[
      "AddSubnets",
      "RemoveSubnets"
    ],
    "members":{
      "AddSubnets":{
        "shape":"Subnets",
        "documentation":"<p>The ID of one or more subnets in which License Manager will create a VPC endpoint for products that require connectivity to activation servers.</p>"
      },
      "RemoveSubnets":{
        "shape":"Subnets",
        "documentation":"<p>The ID of one or more subnets to remove.</p>"
      },
      "SecurityGroupId":{
        "shape":"SecurityGroup",
        "documentation":"<p>A security group ID that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
      }
    },
    "documentation":"<p>Updates the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
  },
  "ValidationException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>A parameter is not valid.</p>",
    "exception":true
  }
},
  "documentation":"<p>With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>"
}
{
  "testCases": [
    {
      "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.af-south-1.amazonaws.com"
        }
```

```
    },
    "params": {
      "Region": "af-south-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-east-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",

"expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-northeast-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-2.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-northeast-2",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
```

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    "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-northeast-3.amazonaws.com"
       }
    },
    "params": {
      "Region": "ap-northeast-3",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-south-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-south-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-southeast-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-southeast-1",

   "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.ap-southeast-2.amazonaws.com"
      }
    },
    "params": {
      "Region": "ap-southeast-2",
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            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ap-southeast-3.amazonaws.com"
            }
        },
        "params": {
            "Region": "ap-southeast-3",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation":
"For region ca-central-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.ca-central-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "ca-central-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint": {
                "url": "https://license-manager.eu-central-1.amazonaws.com"
            }
        },
        "params": {
            "Region": "eu-central-1",
            "UseFIPS": false,
            "UseDualStack": false
        }
    },
    {
        "documentation": "For region eu-north-1 with FIPS disabled and DualStack disabled",
        "expect": {
            "endpoint":
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```
{
            "url": "https://license-manager.eu-north-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "eu-north-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.eu-south-1.amazonaws.com"
          }
        },
        "params": {
          "Region": "eu-south-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.eu-west-1.amazonaws.com"
          }
        },
        "params":
{
          "Region": "eu-west-1",
          "UseFIPS": false,
          "UseDualStack": false
        }
      },
      {
        "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
        "expect": {
          "endpoint": {
            "url": "https://license-manager.eu-west-2.amazonaws.com"
          }
        },
        "params": {
          "Region": "eu-west-2",
          "UseFIPS": false,
          "UseDualStack": false
```

```
      }
    },
    {
      "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.eu-west-3.amazonaws.com"
        }
      },
      "params": {
        "Region": "eu-west-3",
        "UseFIPS": false,
        "UseDualStack": false
      }

  },
    {
      "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.me-south-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "me-south-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.sa-east-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "sa-east-1",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
      "expect": {

      "endpoint": {
            "url": "https://license-manager.us-east-1.amazonaws.com"
```

```
      }
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-fips.us-east-1.amazonaws.com"
      }
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.us-east-2.amazonaws.com"
      }
    },

   "params": {
      "Region": "us-east-2",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-fips.us-east-2.amazonaws.com"
      }
    },
    "params": {
      "Region": "us-east-2",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
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    {
      "documentation": "For region us-west-1 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-west-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "us-west-1",
        "UseFIPS": false,
        "UseDualStack": false

  }
    },
    {
      "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.us-west-1.amazonaws.com"
        }
      },
      "params": {
        "Region": "us-west-1",
        "UseFIPS": true,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager.us-west-2.amazonaws.com"
        }
      },
      "params": {
        "Region": "us-west-2",
        "UseFIPS": false,
        "UseDualStack": false
      }
    },
    {
      "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
      "expect":
{
        "endpoint": {
          "url": "https://license-manager-fips.us-west-2.amazonaws.com"
        }
      },
```

```
    "params": {
      "Region": "us-west-2",
      "UseFIPS": true,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager-fips.us-east-1.api.aws"
      }
    },
    "params": {
      "Region": "us-east-1",
      "UseFIPS": true,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.us-east-1.api.aws"
      }
    },

   "params": {
      "Region": "us-east-1",
      "UseFIPS": false,
      "UseDualStack": true
    }
  },
  {
    "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
    "expect": {
      "endpoint": {
        "url": "https://license-manager.cn-north-1.amazonaws.com.cn"
      }
    },
    "params": {
      "Region": "cn-north-1",
      "UseFIPS": false,
      "UseDualStack": false
    }
  },
  {
    "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
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      "expect": {
        "endpoint": {
          "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
        }
      },
      "params": {
        "Region": "cn-northwest-1",
        "UseFIPS": false,
        "UseDualStack":
false
      }
    },
    {
      "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
        }
      },
      "params": {
        "Region": "cn-north-1",
        "UseFIPS": true,
        "UseDualStack": true
      }
    },
    {
      "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
      "expect": {
        "endpoint": {
          "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
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      "params": {
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and DualStack enabled",
      "expect": {
        "endpoint": {
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      },
      "params": {
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      "UseFIPS": false,
      "UseDualStack": true
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```
        }
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```
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```

```
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                                            "supportsDualStack"
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```

```
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
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 this partition does not support DualStack",
            "type": "error"
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          "headers": {}
        },
        "type": "endpoint"
      }
    ]
  }
 ]
},
{
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  "error": "Invalid Configuration: Missing Region",
  "type": "error"
}
 ]
}
```


AWS Signature Version 4 Test Suite

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```
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```

```
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                          "conditions": [],
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```
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  "serviceId":"License Manager Linux Subscriptions",
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  "uid":"license-manager-linux-subscriptions-2018-05-10",
  "auth":["aws.auth#sigv4"]
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    "requestUri":"/subscription/DeregisterSubscriptionProvider",
    "responseCode":200
   },
   "input":{"shape":"DeregisterSubscriptionProviderRequest"},
   "output":{"shape":"DeregisterSubscriptionProviderResponse"},
   "errors":[
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
     {"shape":"ThrottlingException"},
    {"shape":"ValidationException"}
   ],
   "documentation":"<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions registered to your account.</p>",
   "idempotent":true
  },
  "GetRegisteredSubscriptionProvider":{
   "name":"GetRegisteredSubscriptionProvider",
   "http":{
    "method":"POST",
    "requestUri":"/subscription/GetRegisteredSubscriptionProvider",
    "responseCode":200
   },
   "input":{"shape":"GetRegisteredSubscriptionProviderRequest"},
   "output":{"shape":"GetRegisteredSubscriptionProviderResponse"},
   "errors":[
    {"shape":"InternalServerException"},
    {"shape":"ResourceNotFoundException"},
    {"shape":"ThrottlingException"},
    {"shape":"ValidationException"}
   ],
   "documentation":"<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
   "idempotent":true
```

```
    },
    "GetServiceSettings":{
      "name":"GetServiceSettings",
      "http":{
        "method":"POST",
        "requestUri":"/subscription/GetServiceSettings",
        "responseCode":200
      },
      "input":{"shape":"GetServiceSettingsRequest"},
      "output":{"shape":"GetServiceSettingsResponse"},
      "errors":[
        {"shape":"InternalServerException"},
        {"shape":"ThrottlingException"},
        {"shape":"ValidationException"}
      ],
      "documentation":"<p>Lists the Linux subscriptions service settings for your account.</p>",
      "idempotent":true
    },
    "ListLinuxSubscriptionInstances":{
      "name":"ListLinuxSubscriptionInstances",
      "http":{
        "method":"POST",
        "requestUri":"/subscription/ListLinuxSubscriptionInstances",
        "responseCode":200
      },
      "input":{"shape":"ListLinuxSubscriptionInstancesRequest"},
      "output":{"shape":"ListLinuxSubscriptionInstancesResponse"},
      "errors":[
        {"shape":"InternalServerException"},
        {"shape":"ThrottlingException"},
        {"shape":"ValidationException"}
      ],
      "documentation":"<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux
subscriptions.</p>",
      "idempotent":true
    },
    "ListLinuxSubscriptions":{
      "name":"ListLinuxSubscriptions",
      "http":{
        "method":"POST",
        "requestUri":"/subscription/ListLinuxSubscriptions",
        "responseCode":200
      },
      "input":{"shape":"ListLinuxSubscriptionsRequest"},
      "output":{"shape":"ListLinuxSubscriptionsResponse"},
      "errors":[
        {"shape":"InternalServerException"},
        {"shape":"ThrottlingException"},
```

```
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Lists the Linux subscriptions that have been discovered. If you have linked your organization, the returned results will include data aggregated across your accounts in Organizations.</p>",
    "idempotent":true
  },
  "ListRegisteredSubscriptionProviders":{
    "name":"ListRegisteredSubscriptionProviders",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/ListRegisteredSubscriptionProviders",
      "responseCode":200
    },
    "input":{"shape":"ListRegisteredSubscriptionProvidersRequest"},
    "output":{"shape":"ListRegisteredSubscriptionProvidersResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>List Bring Your Own License (BYOL) subscription registration resources for your account.</p>",
    "idempotent":true
  },
  "ListTagsForResource":{
    "name":"ListTagsForResource",
    "http":{
      "method":"GET",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"ListTagsForResourceRequest"},
    "output":{"shape":"ListTagsForResourceResponse"},
    "errors":[

   {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>List the metadata tags that are assigned to the specified Amazon Web Services resource.</p>"
  },
  "RegisterSubscriptionProvider":{
    "name":"RegisterSubscriptionProvider",
    "http":{
      "method":"POST",
      "requestUri":"/subscription/RegisterSubscriptionProvider",
      "responseCode":200
```

```
    },
    "input":{"shape":"RegisterSubscriptionProviderRequest"},
    "output":{"shape":"RegisterSubscriptionProviderResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
    "idempotent":true
  },
  "TagResource":{
    "name":"TagResource",
    "http":{
      "method":"PUT",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"TagResourceRequest"},
    "output":{"shape":"TagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
    "idempotent":true
  },
  "UntagResource":{
    "name":"UntagResource",
    "http":{
      "method":"DELETE",
      "requestUri":"/tags/{resourceArn}",
      "responseCode":200
    },
    "input":{"shape":"UntagResourceRequest"},
    "output":{"shape":"UntagResourceResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ResourceNotFoundException"}
    ],
    "documentation":"<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",
    "idempotent":true
   },
  "UpdateServiceSettings":{
    "name":"UpdateServiceSettings",
```

```
    "http":{
      "method":"POST",
      "requestUri":"/subscription/UpdateServiceSettings",
      "responseCode":200
    },
    "input":{"shape":"UpdateServiceSettingsRequest"},
    "output":{"shape":"UpdateServiceSettingsResponse"},
    "errors":[
      {"shape":"InternalServerException"},
      {"shape":"ThrottlingException"},
      {"shape":"ValidationException"}
    ],
    "documentation":"<p>Updates the service settings for Linux subscriptions.</p>",
    "idempotent":true
  }
 },
 "shapes":{
  "Boolean":{
    "type":"boolean",
    "box":true
  },
  "BoxInteger":{
    "type":"integer",
    "box":true
  },
  "BoxLong":{
    "type":"long",
    "box":true
  },
  "DeregisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the subscription provider resource to
deregister.</p>"
      }
    }
  },
  "DeregisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Filter":{
    "type":"structure",
    "members":{
```

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      "Name":{
        "shape":"String",
        "documentation":"<p>The type of name to filter by.</p>"
      },
      "Operator":{
        "shape":"Operator",
        "documentation":"<p>An operator for filtering results.</p>"
      },
      "Values":{
        "shape":"StringList",
        "documentation":"<p>One or more values for the name to filter by.</p>"
      }
    },
    "documentation":"<p>A filter object that is used to return more specific results from a describe operation. Filters can be used to match a set of resources by specific criteria.</p>"
  },
  "FilterList":{
    "type":"list",
    "member":{"shape":"Filter"}
  },
  "GetRegisteredSubscriptionProviderRequest":{
    "type":"structure",
    "required":["SubscriptionProviderArn"],
    "members":{
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>"
      }
    }
  },
  "GetRegisteredSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time License Manager retrieved subscription details from your registered third-party Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the third-party access secret stored in Secrets Manager for the BYOL registration resource specified in the request.</p>"
      },

  "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) for the BYOL registration resource specified in
```

the request. "
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":" The subscription provider for the BYOL registration resource specified in the request. "
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":" The status of the Linux subscription provider access token from the last successful subscription data request. "
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":" The detailed message from your subscription provider token status. "
      }
    }
  },
  "GetServiceSettingsRequest":{
    "type":"structure",
    "members":{
    }
  },
  "GetServiceSettingsResponse":{
     "type":"structure",
    "members":{
      "HomeRegions":{
        "shape":"StringList",
        "documentation":" The Region in which License Manager displays the aggregated data for Linux subscriptions. "
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":" Lists if discovery has been enabled for Linux subscriptions. "
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":" Lists the settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from. "
      },
      "Status":{
        "shape":"Status",
        "documentation":" Indicates the status of Linux subscriptions settings being applied. "
      },
      "StatusMessage":{
        "shape":"StringMap",
        "documentation":" A

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 message which details the Linux subscriptions service settings current status.</p>"
      }
    }
  },
  "Instance":{
    "type":"structure",
    "members":{
      "AccountID":{
        "shape":"String",
        "documentation":"<p>The account ID which owns the instance.</p>"
      },
      "AmiId":{
        "shape":"String",
        "documentation":"<p>The AMI ID used to launch the instance.</p>"
      },
      "DualSubscription":{
        "shape":"String",
        "documentation":"<p>Indicates that you have two different license subscriptions for the same software on your instance.</p>"
      },
      "InstanceID":{
        "shape":"String",
        "documentation":"<p>The instance ID of the resource.</p>"
      },
      "InstanceType":{
        "shape":"String",
        "documentation":"<p>The instance type of the resource.</p>"
      },
      "LastUpdatedTime":{
        "shape":"String",
        "documentation":"<p>The
 time in which the last discovery updated the instance details.</p>"
      },
      "OsVersion":{
        "shape":"String",
        "documentation":"<p>The operating system software version that runs on your instance.</p>"
      },
      "ProductCode":{
        "shape":"ProductCodeList",
        "documentation":"<p>The product code for the instance. For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage operation values</a> in the <i>License Manager User Guide</i> .</p>"
      },
      "Region":{
        "shape":"String",
        "documentation":"<p>The Region the instance is running in.</p>"
      },
      "RegisteredWithSubscriptionProvider":{
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        "shape":"String",
        "documentation":"<p>Indicates that your instance uses a BYOL license subscription from a third-party Linux subscription provider that you've registered with License Manager.</p>"
       },
      "Status":{
        "shape":"String",
        "documentation":"<p>The status of the instance.</p>"
      },
      "SubscriptionName":{
        "shape":"String",
        "documentation":"<p>The name of the license subscription that the instance uses.</p>"
      },
      "SubscriptionProviderCreateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp when you registered the third-party Linux subscription provider for the subscription that the instance uses.</p>"
      },
      "SubscriptionProviderUpdateTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that the instance synced with the registered third-party Linux subscription provider.</p>"
      },
      "UsageOperation":{
        "shape":"String",
        "documentation":"<p>The usage operation of the instance. For more information, see For more information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-operation.html\">Usage
 operation values</a> in the <i>License Manager User Guide</i>.</p>"
      }
    },
    "documentation":"<p>Details discovered information about a running instance using Linux subscriptions.</p>"
  },
  "InstanceList":{
    "type":"list",
    "member":{"shape":"Instance"}
  },
  "InternalServerException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>An exception occurred with the service.</p>",
    "exception":true,
    "fault":true
  },
  "LinuxSubscriptionsDiscovery":{
    "type":"string",
    "enum":[
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      "Enabled",
      "Disabled"
    ]
  },
  "LinuxSubscriptionsDiscoverySettings":{
    "type":"structure",
    "required":[
      "OrganizationIntegration",
      "SourceRegions"
    ],
    "members":{
      "OrganizationIntegration":{
        "shape":"OrganizationIntegration",
        "documentation":"<p>Details
 if you have enabled resource discovery across your accounts in Organizations.</p>"
      },
      "SourceRegions":{
        "shape":"StringList",
        "documentation":"<p>The Regions in which to discover data for Linux subscriptions.</p>"
      }
    },
    "documentation":"<p>Lists the settings defined for discovering Linux subscriptions.</p>"
  },
  "ListLinuxSubscriptionInstancesRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results by your specified criteria. For
 example, you can specify <code>Region</code> in the <code>Name</code>, with the <code>contains</code>
 operator to list all subscriptions that match a partial string in the <code>Value</code>, such as <code>us-
 west</code>.</p> <p>For each filter, you can specify one of the following values for the <code>Name</code> key
 to streamline results:</p>
  <ul> <li> <p> <code>AccountID</code> </p> </li> <li> <p> <code>AmiID</code> </p> </li> <li> <p>
 <code>DualSubscription</code> </p> </li> <li> <p> <code>InstanceID</code> </p> </li> <li> <p>
 <code>InstanceType</code> </p> </li> <li> <p> <code>ProductCode</code> </p> </li> <li> <p>
 <code>Region</code> </p> </li> <li> <p> <code>Status</code> </p> </li> <li> <p>
 <code>UsageOperation</code> </p> </li> </ul> <p>For each filter, you can use one of the following
 <code>Operator</code> values to define the behavior of the filter:</p> <ul> <li> <p> <code>contains</code> </p>
 </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"ListLinuxSubscriptionInstancesRequestNextTokenString",
        "documentation":"<p>A token to specify where to start paginating.
```

```
 This is the nextToken from a previously truncated response.</p>"
      }
    },
    "documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases.</p>"
  },
  "ListLinuxSubscriptionInstancesRequestNextTokenString":{
    "type":"string",
    "max":16384,
    "min":1
  },
  "ListLinuxSubscriptionInstancesResponse":{
    "type":"structure",
    "members":{
      "Instances":{
        "shape":"InstanceList",
        "documentation":"<p>An array that contains instance objects.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      }
    }
  },
  "ListLinuxSubscriptionsRequest":{
    "type":"structure",
    "members":{
      "Filters":{
        "shape":"FilterList",
        "documentation":"<p>An array of structures that you can use to filter the results to those that match one or more sets of key-value pairs that you specify. For example, you can filter by the name of <code>Subscription</code> with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.</p> <p>The valid names for this filter are:</p> <ul> <li> <p> <code>Subscription</code> </p> </li> </ul> <p>The valid Operators for this filter are:</p> <ul> <li> <p> <code>contains</code> </p> </li> <li> <p> <code>equals</code> </p> </li> <li> <p> <code>Notequal</code> </p> </li> </ul>"
      },
      "MaxResults":{
        "shape":"BoxInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"ListLinuxSubscriptionsRequestNextTokenString",
        "documentation":"<p>A token to specify where
 to start paginating. This is the nextToken from a previously truncated response.</p>"
      }
```

```
    },
    "documentation":"<p>NextToken length limit is half of ddb accepted limit. Increase this limit if parameters in request increases.</p>"
  },
  "ListLinuxSubscriptionsRequestNextTokenString":{
    "type":"string",
    "max":16384,
    "min":1
  },
  "ListLinuxSubscriptionsResponse":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      },
      "Subscriptions":{
        "shape":"SubscriptionList",
        "documentation":"<p>An array that contains subscription objects.</p>"
      }
    }
  },
  "ListRegisteredSubscriptionProvidersRequest":{
    "type":"structure",
    "members":{
      "MaxResults":{
        "shape":"ListRegisteredSubscriptionProvidersRequestMaxResultsInteger",
        "documentation":"<p>The maximum items to return in a request.</p>"
      },
      "NextToken":{
        "shape":"String",
        "documentation":"<p>A token to specify where to start paginating. This is the nextToken from a previously truncated response.</p>"
      },
      "SubscriptionProviderSources":{
        "shape":"SubscriptionProviderSourceList",
        "documentation":"<p>To filter your results, specify which subscription providers to return in the list.</p>"
      }
    }
  },
  "ListRegisteredSubscriptionProvidersRequestMaxResultsInteger":{
    "type":"integer",
    "box":true,
    "max":100,
    "min":1
  },
```

```
  "ListRegisteredSubscriptionProvidersResponse":{
    "type":"structure",
    "members":{
      "NextToken":{
        "shape":"String",
        "documentation":"<p>The next token
 used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
      },
      "RegisteredSubscriptionProviders":{
        "shape":"RegisteredSubscriptionProviderList",
        "documentation":"<p>The list of BYOL registration resources that fit the criteria you specified in the request.</p>"
      }
    }
  },
  "ListTagsForResourceRequest":{
    "type":"structure",
    "required":["resourceArn"],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the resource for which to list metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      }
    }
  },
  "ListTagsForResourceResponse":{
    "type":"structure",
    "members":{
      "tags":{
        "shape":"Tags",

    "documentation":"<p>The metadata tags for the requested resource.</p>"
      }
    }
  },
  "Operator":{
    "type":"string",
    "enum":[
      "Equal",
      "NotEqual",
      "Contains"
    ],
    "max":20,
    "min":1
```

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  },
  "OrganizationIntegration":{
    "type":"string",
    "enum":[
      "Enabled",
      "Disabled"
    ]
  },
  "ProductCodeList":{
    "type":"list",
    "member":{"shape":"String"}
  },
  "RegisterSubscriptionProviderRequest":{
    "type":"structure",
    "required":[
      "SecretArn",
      "SubscriptionProviderSource"
    ],
    "members":{
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the secret where you've stored your subscription provider's access token. For RHEL subscriptions managed through the Red Hat Subscription Manager (RHSM), the secret contains your Red Hat Offline token.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The supported Linux subscription provider to register.</p>"
      },
      "Tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to your registered Linux subscription provider resource.</p>"
      }
    }
  },
  "RegisterSubscriptionProviderResponse":{
    "type":"structure",
    "members":{
      "SubscriptionProviderArn":{
        "shape":"String",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that you registered.</p>"
      },
      "SubscriptionProviderSource":{
        "shape":"SubscriptionProviderSource",
        "documentation":"<p>The Linux subscription provider that you registered.</p>"
      },
```

```
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>Indicates the status of the registration action for
 the Linux subscription provider that you requested.</p>"
      }
    }
  },
  "RegisteredSubscriptionProvider":{
    "type":"structure",
    "members":{
      "LastSuccessfulDataRetrievalTime":{
        "shape":"String",
        "documentation":"<p>The timestamp from the last time that License Manager accessed third-party
subscription data for your account from your registered Linux subscription provider.</p>"
      },
      "SecretArn":{
        "shape":"SecretArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your
registered Linux subscription provider access token. For RHEL account subscriptions, this is the offline token.</p>"
      },
      "SubscriptionProviderArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Linux subscription provider resource that
you registered.</p>"
      },
      "SubscriptionProviderSource":{

    "shape":"SubscriptionProviderSource",
        "documentation":"<p>A supported third-party Linux subscription provider. License Manager currently
supports Red Hat subscriptions.</p>"
      },
      "SubscriptionProviderStatus":{
        "shape":"SubscriptionProviderStatus",
        "documentation":"<p>Indicates the status of your registered Linux subscription provider access token from the
last time License Manager retrieved subscription data. For RHEL account subscriptions, this is the status of the
offline token.</p>"
      },
      "SubscriptionProviderStatusMessage":{
        "shape":"String",
        "documentation":"<p>A detailed message that's associated with your BYOL subscription provider token
status.</p>"
      }
    },
    "documentation":"<p>A third-party provider for operating system (OS) platform software and license
subscriptions, such as Red Hat. When you register a third-party Linux subscription provider, License Manager can
get subscription
 data from the registered provider.</p>"
  },
```

```
"RegisteredSubscriptionProviderList":{
  "type":"list",
  "member":{"shape":"RegisteredSubscriptionProvider"}
},
"ResourceNotFoundException":{
  "type":"structure",
  "members":{
    "message":{"shape":"String"}
  },
  "documentation":"<p>Unable to find the requested Amazon Web Services resource.</p>",
  "exception":true
},
"SecretArn":{
  "type":"string",
  "pattern":"^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
},
"Status":{
  "type":"string",
  "enum":[
    "InProgress",
    "Completed",
    "Successful",
    "Failed"
  ]
},
"String":{"type":"string"},
"StringList":{
  "type":"list",
  "member":{"shape":"StringListMemberString"},
  "max":100,
  "min":1
},
"StringListMemberString":{
  "type":"string",
  "max":100,
  "min":1
},
"StringMap":{
   "type":"map",
  "key":{"shape":"String"},
  "value":{"shape":"String"}
},
"Subscription":{
  "type":"structure",
  "members":{
    "InstanceCount":{
      "shape":"BoxLong",
      "documentation":"<p>The total amount of running instances using this subscription.</p>"
```

```
      },
      "Name":{
        "shape":"String",
        "documentation":"<p>The name of the subscription.</p>"
      },
      "Type":{
        "shape":"String",
        "documentation":"<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
      }
    },
    "documentation":"<p>An object which details a discovered Linux subscription.</p>"
  },
  "SubscriptionList":{
    "type":"list",
    "member":{"shape":"Subscription"}
  },
  "SubscriptionProviderArn":{
    "type":"string",
    "pattern":"^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
  },
  "SubscriptionProviderSource":{
    "type":"string",
    "enum":["RedHat"]
  },
  "SubscriptionProviderSourceList":{
    "type":"list",
    "member":{"shape":"SubscriptionProviderSource"}
  },
  "SubscriptionProviderStatus":{
    "type":"string",
    "enum":[
      "ACTIVE",
      "INVALID",
      "PENDING"
    ]
  },
  "TagKeyList":{
    "type":"list",
    "member":{"shape":"String"},
    "max":50,
    "min":0,
    "sensitive":true
  },
  "TagResourceRequest":{
```

```
    "type":"structure",
    "required":[
      "resourceArn",
      "tags"
    ],
    "members":{
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon
 Web Services resource to which to add the specified metadata tags.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      },
      "tags":{
        "shape":"Tags",
        "documentation":"<p>The metadata tags to assign to the Amazon Web Services resource. Tags are formatted
as key value pairs.</p>"
      }
    }
  },
  "TagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "Tags":{
    "type":"map",
    "key":{"shape":"String"},
    "value":{"shape":"String"},
    "max":50,
    "min":0,
    "sensitive":true
  },
  "ThrottlingException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The request was denied due to request throttling.</p>",
    "exception":true
  },
  "UntagResourceRequest":{
    "type":"structure",
    "required":[
      "resourceArn",
      "tagKeys"
    ],
    "members":{
```

```
      "resourceArn":{
        "shape":"SubscriptionProviderArn",
        "documentation":"<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from.</p>",
        "location":"uri",
        "locationName":"resourceArn"
      },
      "tagKeys":{
        "shape":"TagKeyList",
        "documentation":"<p>A list of metadata tag keys to remove from the requested resource.</p>",
        "location":"querystring",
        "locationName":"tagKeys"
      }
    }
  },
  "UntagResourceResponse":{
    "type":"structure",
    "members":{
    }
  },
  "UpdateServiceSettingsRequest":{
    "type":"structure",
    "required":[
      "LinuxSubscriptionsDiscovery",
      "LinuxSubscriptionsDiscoverySettings"
    ],
    "members":{
      "AllowUpdate":{
        "shape":"Boolean",
        "documentation":"<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you allow updates, you can aggregate
 Linux subscription data in more than one home Region.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Describes if the discovery of Linux subscriptions is enabled.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      }
    }
  },
  "UpdateServiceSettingsResponse":{
    "type":"structure",
    "members":{
      "HomeRegions":{
```

```
        "shape":"StringList",
        "documentation":"<p>The Region in which License Manager displays the aggregated data for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscovery":{
        "shape":"LinuxSubscriptionsDiscovery",
        "documentation":"<p>Lists
 if discovery has been enabled for Linux subscriptions.</p>"
      },
      "LinuxSubscriptionsDiscoverySettings":{
        "shape":"LinuxSubscriptionsDiscoverySettings",
        "documentation":"<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations integration has been enabled, and which Regions data will be aggregated from.</p>"
      },
      "Status":{
        "shape":"Status",
        "documentation":"<p>Indicates the status of Linux subscriptions settings being applied.</p>"
      },
      "StatusMessage":{
        "shape":"StringMap",
        "documentation":"<p>A message which details the Linux subscriptions service settings current status.</p>"
      }
    }
  },
  "ValidationException":{
    "type":"structure",
    "members":{
      "message":{"shape":"String"}
    },
    "documentation":"<p>The provided input is not valid. Try your request again.</p>",
    "exception":true
  }

 },
 "documentation":"<p>With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>"
}
{
  "ResponseMetadata": {
     "RequestId": "9a285199-c8d6-47c2-bdb2-314cb47d599d"
  }
}
{
 "version": "1.0",
 "examples": {
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}
```

```
{
 "pagination": {
  "ListIdentityProviders": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "IdentityProviderSummaries"
  },
  "ListInstances": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "InstanceSummaries"
  },
  "ListProductSubscriptions": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "ProductUserSummaries"
  },
  "ListUserAssociations": {
   "input_token": "NextToken",
   "output_token": "NextToken",
   "limit_key": "MaxResults",
   "result_key": "InstanceUserSummaries"
  }
 }
}
```


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```
{
  "version": "1.0",
  "parameters": {
    "Region": {
      "builtIn": "AWS::Region",
      "required": false,
      "documentation": "The AWS region used to dispatch the request.",
      "type": "String"
    },
    "UseDualStack": {
      "builtIn": "AWS::UseDualStack",
      "required": true,
      "default": false,
      "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
      "type": "Boolean"
    },
    "UseFIPS": {
      "builtIn": "AWS::UseFIPS",
      "required": true,
      "default": false,
      "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
      "type": "Boolean"
    },
    "Endpoint": {

    "builtIn": "SDK::Endpoint",
      "required": false,
      "documentation": "Override the endpoint used to send this request",
      "type": "String"
    }
  },
  "rules": [
    {
      "conditions": [
        {
          "fn": "isSet",
          "argv": [
            {
```

```
                "ref": "Endpoint"
              }
            ]
          }
        ],
        "type": "tree",
        "rules": [
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseFIPS"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: FIPS and custom
endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [
              {
                "fn": "booleanEquals",
                "argv": [
                  {
                    "ref": "UseDualStack"
                  },
                  true
                ]
              }
            ],
            "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
            "type": "error"
          },
          {
            "conditions": [],
            "endpoint": {
              "url": {
                "ref": "Endpoint"
              },
              "properties": {},
              "headers": {}
            },
            "type": "endpoint"
```

```
        }
      ]
    },
    {
      "conditions": [
        {
          "fn": "isSet",
          "argv": [
            {
              "ref": "Region"
            }
          ]
        }
      ],
      "type": "tree",
      "rules": [
        {
          "conditions": [
            {
              "fn": "aws.partition",
              "argv": [
                {
                  "ref": "Region"
                }
              ],
              "assign": "PartitionResult"
            }
          ],
          "type": "tree",
          "rules": [
            {
              "conditions": [
                {
                  "fn":
"booleanEquals",
                  "argv": [
                    {
                      "ref": "UseFIPS"
                    },
                    true
                  ]
                },
                {
                  "fn": "booleanEquals",
                  "argv": [
                    {
                      "ref": "UseDualStack"
```

```
                    },
                    true
                ]
            }
        ],
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        "rules": [
            {
                "conditions": [
                    {

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                        "argv": [
                            true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsFIPS"
                                ]
                            }
                        ]
                    },
                    {
                        "fn": "booleanEquals",
                        "argv": [

true,
                            {
                                "fn": "getAttr",
                                "argv": [
                                    {
                                        "ref": "PartitionResult"
                                    },
                                    "supportsDualStack"
                                ]
                            }
                        ]
                    }
                ],
                "type": "tree",
                "rules": [
                    {
                        "conditions": [],
                        "endpoint": {
```

```
"url": "https://license-manager-fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
                        "properties": {},
                        "headers": {}
                    },
                    "type": "endpoint"
                }
            ]
        },
        {
            "conditions": [],
            "error": "FIPS and DualStack are enabled, but this partition does not support one or both",
            "type": "error"
        }
    ]
},
{
    "conditions": [
        {
            "fn": "booleanEquals",

"argv": [
                {
                    "ref": "UseFIPS"
                },
                true
            ]
        }
    ],
    "type": "tree",
    "rules": [
        {
            "conditions": [
                {
                    "fn": "booleanEquals",
                    "argv": [
                        true,
                        {
                            "fn": "getAttr",
                            "argv": [
                                {

"ref": "PartitionResult"
                                },
                                "supportsFIPS"
                            ]
                        }
                    ]
                }
```

```
                ],
                "type": "tree",
                "rules": [
                  {
                    "conditions": [],
                    "endpoint": {
                      "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
                      "properties": {},
                      "headers": {}
                    },
                    "type": "endpoint"
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* /amazon-kinesis-client-2-6-1-sources-
jar/software/amazon/kinesis/retrieval/fanout/FanOutConsumerRegistration.java
* /amazon-kinesis-client-2-6-1-sources-jar/software/amazon/kinesis/lifecycle/ShardConsumerArgument.java
* /amazon-kinesis-client-2-6-1-sources-jar/software/amazon/kinesis/leases/NoOpShardPrioritization.java
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* /amazon-kinesis-client-2-6-1-sources-
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1.442 protobuf 1.5.3

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1.444 musl 1.2.5-r10

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Found in path(s):
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* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONObject.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/CollectionMapper.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/ArraysMapper.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONStreamAware.java

*
 /json-smart-2-5-2-sources-jar/net/minidev/json/writer/DefaultMapperCollection.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONAware.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/JsonReaderI.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserInputStream.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/FakeMapper.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/DefaultMapperOrdered.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/ParseException.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONStyle.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONNavi.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/JsonReader.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/BeansMapper.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParser.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONValue.java
*
 /json-smart-2-5-2-sources-jar/net/minidev/json/JSONStreamAwareEx.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserString.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JStylerObj.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONArray.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserStream.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserBase.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserReader.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONUtil.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/writer/CompessorMapper.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/parser/JSONParserMemory.java
* /json-smart-2-5-2-sources-jar/net/minidev/json/JSONAwareEx.java
No license file was found, but licenses were detected in source scan.

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* /json-smart-2-5-2-sources-jar/META-INF/maven/net.minidev/json-smart/pom.xml

1.446 github.com/eko/gocache/store/redis/v4 4.2.2

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1.447 github.com/eko/gocache/store/go_cache/v4 4.2.2

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1.448 grpc-testing 1.68.1

1.448.1 Available under license :

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1.449 grpc-netty-shaded 1.68.1

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A. HISTORY OF THE SOFTWARE
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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
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All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
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2.3.4	2.3.3	2004	PSF	yes
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2.4	2.3	2004	PSF	yes
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2.5	2.4	2006	PSF	yes
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2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
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3.1	3.0.1	2009	PSF	yes
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==========
Distutils2 Contributors
==========

The Distutils2 project was started by Tarek Ziad and is currently
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,
and welcome into the Fellowship of the Packaging!

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- Victor Stinner
- Alexandre Vassalotti
- Nadeem Vawda
Metadata-Version: 1.0
Name: setuptools
Version: 0.6c9
Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!
Home-page: http://pypi.org/pypi/setuptools

Author: Phillip J. Eby
Author-email: distutils-sig@python.org
License: PSF or ZPL
Description: ================================
Installing and Using Setuptools
==========

.. contents:: **Table of Contents**

Installation Instructions

Windows
=======

Install setuptools using the provided ``.exe`` installer. If you've previously
installed older versions of setuptools, please delete all ``setuptools*.egg``
and ``setuptools.pth`` files from your system's ``site-packages`` directory
(and any other ``sys.path`` directories) FIRST.

If you are upgrading a previous version of setuptools that was installed using
an ``.exe`` installer,
please be sure to also *uninstall that older version*
via your system's "Add/Remove Programs" feature, BEFORE installing the newer
version.

Once installation is complete, you will find an ``easy_install.exe`` program in
your Python ``Scripts`` subdirectory. Be sure to add this directory to your
``PATH`` environment variable, if you haven't already done so.

RPM-Based Systems
==========

Install setuptools using the provided source RPM. The included ``.spec`` file
assumes you are installing using the default ``python`` executable, and is not
specific to a particular Python version. The ``easy_install`` executable will
be installed to a system ``bin`` directory such as ``/usr/bin``.

If you wish to install to a location other than the default Python
installation's default ``site-packages`` directory (and ``$prefix/bin`` for
scripts), please use the ``.egg``-based
installation approach described in the
following section.

Cygwin, Mac OS X, Linux, Other
==========

1. Download the appropriate egg for your version of Python (e.g.
``setuptools-0.6c9-py2.4.egg``). Do NOT rename it.

2. Run it as if it were a shell script, e.g. ``sh setuptools-0.6c9-py2.4.egg``.
Setuptools will install itself using the matching version of Python (e.g.
``python2.4``), and will place the ``easy_install`` executable in the
default location for installing Python scripts (as determined by the
standard distutils configuration files, or by the Python installation).

If you want to install setuptools to somewhere other than ``site-packages`` or
your default distutils installation locations for libraries and scripts, you
may include EasyInstall command-line options such as ``--prefix``,
``--install-dir``, and so on, following the ``.egg`` filename
on the same
command line. For example::

sh setuptools-0.6c9-py2.4.egg --prefix=~

You can use ``--help`` to get a full options list, but we recommend consulting
the `EasyInstall manual`_ for detailed instructions, especially `the section
on custom installation locations`_.

.. _EasyInstall manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _the section on custom installation locations: http://peak.telecommunity.com/DevCenter/EasyInstall#custom-installation-locations

Cygwin Note

If you are trying to install setuptools for the **Windows** version of Python
(as opposed to the Cygwin version that lives in ``/usr/bin``), you must make
sure that an appropriate executable (``python2.3``, ``python2.4``, or
``python2.5``) is on your **Cygwin** ``PATH`` when invoking the egg. For
example, doing the following at a Cygwin bash prompt will install setuptools
for the **Windows** Python found at ``C:\\Python24``::

ln -s /cygdrive/c/Python24/python.exe python2.4
PATH=.:$PATH sh setuptools-0.6c9-py2.4.egg
rm python2.4

Downloads
=========

All setuptools downloads can be found at `the project's home page in the Python Package Index`_. Scroll to the very bottom of the page to find the links.

.. _the project's home page in the Python Package Index: http://pypi.org/pypi/setuptools

In addition to the PyPI downloads, the development version of ``setuptools`` is available from the `Python SVN sandbox`_, and in-development versions of the `0.6 branch`_ are available as well.

.. _0.6 branch: http://svn.python.org/projects/sandbox/branches/setuptools-0.6/#egg=setuptools-dev06

.. _Python SVN sandbox: http://svn.python.org/projects/sandbox/trunk/setuptools/#egg=setuptools-dev

---
Using Setuptools and EasyInstall

Here are some of the available manuals, tutorials, and other resources for learning about Setuptools, Python Eggs, and EasyInstall:

* `The EasyInstall user's guide and reference manual`_
* `The setuptools Developer's Guide`_
* `The pkg_resources API reference`_
* `Package Compatibility Notes`_ (user-maintained)
* `The Internal Structure of Python Eggs`_

Questions, comments, and bug reports should be directed to the `distutils-sig mailing list`_. If you have written (or know of) any tutorials, documentation, plug-ins, or other resources for setuptools users, please let us know about them there, so this reference list can be updated. If you have working, *tested* patches to correct problems or add features, you may submit them to the `setuptools bug tracker`_.

.. _setuptools bug tracker: http://bugs.python.org/setuptools/
.. _Package Compatibility Notes: http://peak.telecommunity.com/DevCenter/PackageNotes
.. _The Internal Structure of Python Eggs: http://peak.telecommunity.com/DevCenter/EggFormats
.. _The setuptools Developer's Guide: http://peak.telecommunity.com/DevCenter/setuptools
.. _The pkg_resources API reference: http://peak.telecommunity.com/DevCenter/PkgResources
.. _The EasyInstall user's guide and reference manual: http://peak.telecommunity.com/DevCenter/EasyInstall
.. _distutils-sig mailing list: http://mail.python.org/pipermail/distutils-sig/

Credits
---

* The original design for the ``.egg`` format and the ``pkg_resources`` API was

co-created by Phillip Eby and Bob Ippolito. Bob also implemented the first version of ``pkg_resources``, and supplied the OS X operating system version compatibility algorithm.

* Ian Bicking implemented many early "creature comfort" features of easy_install, including support for downloading via Sourceforge and Subversion repositories. Ian's comments on the Web-SIG about WSGI application deployment also inspired the concept of "entry points" in eggs, and he has given talks at PyCon and elsewhere to inform and educate the community about eggs and setuptools.

* Jim Fulton contributed time and effort to build automated tests of various aspects of ``easy_install``, and supplied the doctests for the command-line ``.exe`` wrappers on Windows.

* Phillip J. Eby is the principal author and maintainer of setuptools, and first proposed the idea of an importable binary distribution format for Python application plug-ins.

* Significant parts of the implementation of setuptools were funded by the Open Source Applications Foundation, to provide a plug-in infrastructure for the Chandler PIM application.

In addition, many OSAF staffers (such as Mike "Code Bear" Taylor) contributed their time and stress as guinea pigs for the use of eggs and setuptools, even before eggs were "cool". (Thanks, guys!)

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1.457 jaraco.context 5.3.0

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1.458 opentelemetry-proto 1.25.0

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1.459 snake-yaml 2.4

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Found in path(s):
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/serializer/AnchorGenerator.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/TagTuple.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactConstructor.java

* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/parser/ParserException.java
*
 /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/constructor/ConstructorException.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/resolver/ResolverTuple.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/Token.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/emitter/EmitterState.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/scanner/Constant.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/NodeEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/FlowMappingStartToken.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/error/Mark.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/SequenceNode.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/PackageCompactConstructor.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/reader/StreamReader.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/error/MarkedYAMLException.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/comments/CommentType.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/NodeId.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/MappingEndEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/serializer/NumberAnchorGenerator.java
*
/snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/inspector/UnTrustedTagInspector.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/scanner/SimpleKey.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/Tag.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/representer/BaseRepresenter.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/BlockEntryToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/AnchorToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceEndToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/parser/ParserImpl.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/TypeDescription.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/FieldProperty.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/constructor/SafeConstructor.java
*
/snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/MethodProperty.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/error/YAMLException.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/constructor/BaseConstructor.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/emitter/Emitter.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/AnchorNode.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/composer/ComposerException.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/DocumentStartToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/util/EnumUtils.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/constructor/Constructor.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/env/EnvScalarConstructor.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/BeanAccess.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/GenericProperty.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/serializer/SerializerException.java
*
/snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/MappingNode.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/CollectionEndEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/extensions/compactnotation/CompactData.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/SequenceStartEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/representer/JsonRepresenter.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/ScalarNode.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/emitter/Emitable.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/StreamEndToken.java

* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/emitter/EmitterException.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/LoaderOptions.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/constructor/AbstractConstruct.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/scanner/ScannerImpl.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/BlockEndToken.java
*
 /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/ImplicitTuple.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/Node.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/CommentEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/emitter/ScalarAnalysis.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/FlowSequenceStartToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/comments/CommentEventsCollector.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/error/MissingEnvironmentVariableException.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/representer/Represent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/reader/UnicodeReader.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/PropertyUtils.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/nodes/NodeTuple.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/tokens/StreamStartToken.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/util/ArrayUtils.java
*
 /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/SequenceEndEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/parser/Production.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/representer/SafeRepresenter.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/StreamStartEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/representer/Representer.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/Yaml.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/events/DocumentStartEvent.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/introspector/MissingProperty.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/util/Tuple.java
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* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/UnicodeEscaper.java
* /snakeyaml-2-4-sources-jar/org/yaml/snakeyaml/external/com/google/gdata/util/common/base/Escaper.java

1.460 zstd 1.5.7-r0

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1.462 jackson-datatype-jsr310 2.18.3

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1.463 jinja 3.1.6

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1.464 pkgconf 2.4.3-r0

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1.466 x-text 0.23.0

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1.470 jackson-annotations 2.18.3

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Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.472 gmp 6.3.0-r3

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1.473 jackson-dataformat-xml 2.18.3

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1.474 jackson-dataformat-cbor 2.18.3

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1.475 opentelemetry-context 1.20.1

1.475.1 Available under license :

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1.476 zstd-jni 1.5.6-6

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Manifest-Version: 1.0
Specification-Title: zstd-jni
Specification-Version: 1.5.6-6
Specification-Vendor: com.github.luben
Implementation-Title: zstd-jni
Implementation-Version: 1.5.6-6
Implementation-Vendor: com.github.luben
Implementation-Vendor-Id: com.github.luben
Bnd-LastModified: 1727020807776
Bundle-Name: zstd-jni
Bundle-SymbolicName: com.github.luben.zstd-jni
Bundle-Description: JNI bindings for Zstd native library that provides f
ast and high compression lossless algorithm for Java and all JVM langua
ges.
Bundle-Vendor: com.github.luben
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Bundle-Version: 1.5.6.6
Bundle-ManifestVersion: 2
Bundle-NativeCode: darwin/x86_64/libzstd-jni-1.5.6-6.dylib;osname=MacOS;
osname=MacOSX;processor=x86_64,darwin/aarch64/libzstd-jni-1.5.6-6.dylib
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.so;osname=Linux;processor=aarch64,linux/amd64/libzstd-jni-1.5.6-6.so;o
sname=Linux;processor=amd64,linux/arm/libzstd-jni-1.5.6-6.so;osname=Lin
ux;processor=arm,linux/i386/libzstd-jni-1.5.6-6.so;osname=Linux;process
or=i386,linux/mips64/libzstd-jni-1.5.6-6.so;osname=Linux;processor=mips
64,linux/loongarch64/libzstd-jni-1.5.6-6.so;osname=Linux;processor=loon
garch64,linux/ppc64/libzstd-jni-1.5.6-6.so;osname=Linux;processor=ppc64
,linux/ppc64le/libzstd-jni-1.5.6-6.so;osname=Linux;processor=ppc64le,li
nux/riscv64/libzstd-jni-1.5.6-6.so;osname=Linux;processor=riscv64,linux
/s390x/libzstd-jni-1.5.6-6.so;osname=Linux;processor=s390x,win/amd64/li
bzstd-jni-1.5.6-6.dll;osname=Win32;processor=amd64,win/aarch64/libzstd-
jni-1.5.6-6.dll;osname=Win32;processor=aarch64,win/x86/libzstd-jni-1.5.
6-6.dll;osname=Win32;processor=x86,aix/ppc64/libzstd-jni-1.5.6-6.so;osn
ame=AIX;processor=ppc64
Export-Package: com.github.luben.zstd;version="1.5.6.6",com.github.luben
.zstd.util;version="1.5.6.6"
Import-Package: org.osgi.framework;resolution:=optional
Private-Package: darwin.aarch64,darwin.x86_64,freebsd.amd64,freebsd.i386
,linux.aarch64,linux.amd64,linux.arm,linux.i386,linux.loongarch64,linux
.mips64,linux.ppc64,linux.ppc64le,linux.riscv64,linux.s390x,win.aarch64
,win.amd64,win.x86,aix.ppc64
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version>=1.8))"

Found in path(s):
* /zstd-jni-1-5-6-6-jar/META-INF/MANIFEST.MF

1.477 opentelemetry-api 1.20.1

1.477.1 Available under license :

Apache-2.0

1.478 jul-to-slf4j 2.0.17

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1.479 alpine-baselayout 3.7.0-r0

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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Francesco Colista <francesco.colista@gmail.com>
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pkgname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends="    "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test
}
```

```
package() {
 cd "$_builddir"
 make
 DESTDIR="$pkgdir" install || return 1
 find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 cd "$_builddir"
 update_config_sub || return 1
}
build() {
 cd "$_builddir"
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  || return 1
 make || return 1
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=2
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends="    "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}
```

```
build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test || return 1
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
 find "$pkgdir"
 \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-
1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd
85743363750157943c7f7700276cce2bd40a429fa430  BSD-Resource-1.2909.tar.gz"
```

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```
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_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
 cd "$builddir"
 python3 setup.py build || return 1
}

package() {
 cd "$builddir"
 python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73  flake8-copyright-
0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e
2417b586e543bfba12abce256b2023c8c4993eeb90
  flake8-copyright-0.2.0.tar.gz"
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mini_sendmail - accept email on behalf of real sendmail

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*/

Found in path(s):
* /everit-json-schema-1-14-5-sources-jar/org/everit/json/schema/JSONPointer.java
* /everit-json-schema-1-14-5-sources-jar/org/everit/json/schema/JSONPointerException.java
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/*
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Found in path(s):
* /everit-json-schema-1-14-5-sources-jar/org/everit/json/schema/internal/JSONWriter.java

1.481 re2j 1.8

1.481.1 Available under license :

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Found in path(s):
* /re2j-1-8-sources-jar/com/google/re2j/RE2.java
* /re2j-1-8-sources-jar/com/google/re2j/UnicodeTables.java
* /re2j-1-8-sources-jar/com/google/re2j/Compiler.java
* /re2j-1-8-sources-jar/com/google/re2j/MachineInput.java
* /re2j-1-8-sources-jar/com/google/re2j/Utils.java
* /re2j-1-8-sources-jar/com/google/re2j/Machine.java
* /re2j-1-8-sources-jar/com/google/re2j/CharClass.java
* /re2j-1-8-sources-jar/com/google/re2j/Pattern.java
* /re2j-1-8-sources-jar/com/google/re2j/PatternSyntaxException.java
* /re2j-1-8-sources-jar/com/google/re2j/Prog.java
* /re2j-1-8-sources-jar/com/google/re2j/Simplify.java
* /re2j-1-8-sources-jar/com/google/re2j/Unicode.java
* /re2j-1-8-sources-jar/com/google/re2j/Parser.java
* /re2j-1-8-sources-jar/com/google/re2j/Characters.java
*
/re2j-1-8-sources-jar/com/google/re2j/Matcher.java
* /re2j-1-8-sources-jar/com/google/re2j/Regexp.java
* /re2j-1-8-sources-jar/com/google/re2j/Inst.java
* /re2j-1-8-sources-jar/com/google/re2j/CharGroup.java

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* /re2j-1-8-sources-jar/com/google/re2j/MatcherInput.java
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#

Found in path(s):
* /re2j-1-8-sources-jar/com/google/re2j/make_perl_groups.pl

1.482 pyasn1-modules 0.4.2

1.482.1 Available under license :

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.. _license:

License
=======

.. include:: ../../LICENSE.rst

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ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.python.org/pypi/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.python.org/pypi/pyasn1/)
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
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Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
[![GitHub license](https://img.shields.io/badge/license-BSD-
blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on
[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features
----

*
 Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.6
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was
designed long ago by the wise Ancients. Back then, they did not
have the luxury of wasting bits. That is why ASN.1 is designed
to serialise data structures of unbounded complexity into
something compact and efficient when it comes to processing
the data.

That probably explains why many network protocols and file formats
still rely on the 30+ years old technology. Including a number of
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html)
by
Olivier Dubuisson is one of those high quality books freely
available on the Internet.

The pyasn1 package is designed to help Python programmers tackling
network protocols and file formats at the comfort of their Python
prompt. The tool struggles to capture all aspects of a rather
complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.
For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
 id        INTEGER,
 room  [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
  componentType = NamedTypes(
      NamedType('id', Integer()),
      OptionalNamedType(
          'room', Integer().subtype(
              implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
          )
      ),
      DefaultedNamedType(

    'house', Integer(0).subtype(
              implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
          )
      )
  )
```

It is in the spirit of ASN.1 to take abstract data description
and turn it into a programming language specific form.
Once you have your ASN.1 data structure expressed in Python, you

can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

Part of the power of ASN.1 comes from its serialisation features. You
can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect,
 modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>>     print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,

list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1
classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of
Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record =
 decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```

With ASN.1 design, serialisation codecs are decoupled from data objects,
so you could turn every single ASN.1 object into many different
serialised forms. As of this moment, pyasn1 supports BER, DER, CER and
Python built-ins codecs. The extremely compact PER encoding is expected
to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the
[documentation](http://snmplabs.com/pyasn1/),
compiled ASN.1 modules for different protocols and file formats
could be found in the pyasn1-modules
[repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause
BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from
 [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected,
[open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or

post your question [on Stack Overflow](http://stackoverflow.com/questions/ask)
or try browsing pyasn1
[mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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ASN.1 library for Python
========================

.. toctree::
  :maxdepth: 1

Abstract Syntax Notation One (`ASN.1

<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a
technology for exchanging structured data in a universally understood,
hardware agnostic way. Many industrial, security and telephony
applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.python.org/pypi/pyasn1/>`_ library implements
ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and
serialisation tool. It is probably among the first serialisation protocols in
the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first
electronic mail (known as X.400). Later on if was split off the e-mail application
and become a stand-alone tech still being actively supported by its
designers
and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the
first, unsuccessful, version of the Internet. You can read many interesting
`discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation
problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_
or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example.
Interestingly, many new takes on binary protocol design do not depart
far from ASN.1 from technical perspective. It's more of a matter of striking
a balance between processing overhead, wire format overhead and human
readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types
(integers, bits, strings, arrays and records) that can be used for
describing
arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a
series of octets for storage or transmission over the wire as well as
recovered back into their structured form. The system is fully agnostic
to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms
of a schema language for ASN.1 compiler to turn it into platform-specific

implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely
adopted for many uses. To give you an example, these technologies
use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP,
CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source
ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the
`statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_ on discovered
security vulnerabilities, many people have implemented ASN.1 parsers
and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood
and security reviewed.

Documentation

.. toctree::
:maxdepth: 2

/pyasn1/contents

Use case

.. toctree::
:maxdepth: 2

/example-use-case

Download & Install

.. toctree::
  :maxdepth: 2

  /download

Changes

All changes and release history is maintained in changelog. There you
could also download the latest unreleased pyasn1 tarball containing
the latest fixes and
 improvements.

.. toctree::
  :maxdepth: 1

  /changelog

License

The PyASN1 software is distributed under 2-clause BSD License.

.. toctree::
  :maxdepth: 2

  /license

Getting help

Please, file your `issues <https://github.com/etingof/pyasn1/issues>`_
and `PRs <https://github.com/etingof/pyasn1/pulls>`_ at GitHub.
Alternatively, you could ask for help at
`Stack Overflow <http://stackoverflow.com/questions/tagged/pyasn1>`_
or search
`pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`_
mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome
books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson
* `ASN.1 Complete <http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>`_ by Prof John Larmouth

Here you can get the official standards which is hard to read:

* `ITU
 standards <http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>`_

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>`_ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper
book on the subject.

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* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/base.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/compat/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/cer/decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/error.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/base.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/cer/test_decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/der/encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/constraint.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_namedval.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/namedval.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/dateandtime.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/cer/encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/native/decoder.py
*
 /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/test_debug.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/octets.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/namedtype.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/der/test_decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_constraint.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/native/test_decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/binary.py

* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_opentype.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/integer.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/string.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_useful.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/cer/test_encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/native/__main__.py
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/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/compat/test_binary.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/tagmap.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/ber/decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/ber/eoo.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/cer/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/opentype.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/compat/test_octets.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/der/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/calling.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_namedtype.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/univ.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/debug.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/native/encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/der/test_encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_tag.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/useful.py
*
/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/compat/test_integer.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_char.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/tag.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/char.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/type/test_univ.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/ber/__main__.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/error.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/ber/test_decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/der/decoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/setup.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/ber/test_encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/native/test_encoder.py
* /pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/__main__.py

1.483 proto-google-common-protos 2.51.0

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1.484 jackson-datatype-joda 2.18.3

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1.485 msal-extensions 1.3.1

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1.486 perks 1.0.1

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1.487 slf4j 2.0.17

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1.488 jackson-module-afterburner 2.18.3

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1.489 commons-codec 1.16.0

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1.490 truststore 0.10.1

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1.492 grpc-context 1.70.0

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1.493 grpc-api 1.70.0

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1.494 bcpkix-jdk18on 1.80

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/**
* Base constructor.
* <p>

```
* The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
* </p>
* <p>
* Known suffixes is a list of public domain suffixes that can't be used as wild cards for
* example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
* If *.com is in the known suffixes list will not be allowed to match.
* </p>
*
* @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
*/
```

Found in path(s):
* /bcpkix-jdk18on-1-80-sources-jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

1.495 bcprov-jdk18on 1.80

1.495.1 Available under license :

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```
/**
* Poly1305 message authentication code, designed by D. J. Bernstein.
* <p>
* Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
* consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
* effective key bits) used in the authenticator.
* <p>
* The polynomial calculation in this implementation is adapted from the public domain <a
* href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled</a> C implementation
* by Andrew M (@floodyberry).
* @see Poly1305KeyGenerator
*/
```

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/macs/Poly1305.java
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```
/**
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*
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* <p>
```

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*/

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* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/LICENSE.java
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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/asn1/x9/DomainParameters.java
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/**
* Contains the polynomial classes used in the NTRU round 3 algorithm.
*
*
* This implementation is based on the C reference implementation submitted for the round 3 NIST PQC competition,
* released under CC0-1.0 license.
*
*
* NIST submission files
* License of reference implementation
*/

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/math/ntru/package-info.java
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// now keep space is free to use

Found in path(s):

* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/legacy/crypto/gmss/GMSSPrivateKeyParameters.java
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/**
* SPHINCS-256 signer.
*
* This implementation is heavily based on the reference implementation in SUPERCOP, the main difference being the digests used
* for message hashing and tree construction are now configurable (within limits...) and that the implementation produces
* detached signatures.
*
*
* The SPHINCS reference implementation is public domain, as per the statement in the second last paragraph of
* section 1 in https://eprint.iacr.org/2014/795.pdf
*
*/

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/crypto/sphincs/SPHINCS256Signer.java
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/**
* An implementation of RFC 7253 on The OCB
* Authenticated-Encryption Algorithm. For those still concerned about the original patents
* around this, please see:
*
* https://mailarchive.ietf.org/arch/msg/cfrg/qLTveWOdTJcLn4HP3ev-vrj05Vg/
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*/

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/modes/OCBBlockCipher.java
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/**
* The NTRU algorithm based on the round 3 submission of the NIST post-quantum cryptography. For the old NTRU, see

```
* {@link org.bouncycastle.pqc.legacy.crypto.ntru}.
*
* <p>
* This implementation is based on the C reference implementation submitted for the round 3 NIST PQC competition,
* released under CC0-1.0 license.
* </p>
*
* <p><a href="https://csrc.nist.gov/CSRC/media/Projects/post-quantum-cryptography/documents/round-3/submissions/NTRU-Round3.zip">NIST submission files</a></p>
* <p><a href="https://github.com/jschanck/ntru/blob/master/LICENSE">License of reference implementation</a></p>
*
* @see <a href="https://csrc.nist.gov/Projects/post-quantum-cryptography/round-3-submissions">NIST round 3 PQC submissions page</a>
* @see <a href="https://ntru.org/">NTRU website</a>
* @see <a href="https://ntru.org/f/ntru-20190330.pdf">NTRU specification</a>
*/
```

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/pqc/crypto/ntru/package-info.java
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```
/**
   * Magic value for proprietary OpenSSH private key.
   **/
```

Found in path(s):
* /bcprov-jdk18on-1-80-sources-jar/org/bouncycastle/crypto/util/OpenSSHPrivateKeyUtil.java

1.496 bcutil-jdk18on 1.80

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xwd v1.0.7

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Gallium code   src/gallium/   MIT

Ext headers   GL/glext.h   Khronos
                  GL/glxext.h   Khronos

GL/wglext.h Khronos
KHR/khrplatform.h Khronos

****

---
include/GL/gl.h :

Mesa 3-D
graphics library

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include/GL/glxext.h
include/GL/wglxext.h :

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A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands

as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/ToNumberPolicy.java
* /gson-2-13-1-sources-jar/com/google/gson/stream/package-info.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/reflect/ReflectionHelper.java
* /gson-2-13-1-sources-jar/com/google/gson/ToNumberStrategy.java
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* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/util/ISO8601Utils.java
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/internal/sql/SqlTimestampTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/NumberTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/sql/SqlTypesSupport.java
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* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/SerializationDelegatingTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/ReflectionAccessFilterHelper.java
* /gson-2-13-1-sources-jar/com/google/gson/ReflectionAccessFilter.java
* /gson-2-13-1-sources-jar/com/google/gson/FormattingStyle.java
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/LongSerializationPolicy.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonStreamParser.java
* /gson-2-13-1-sources-jar/com/google/gson/FieldAttributes.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonParser.java
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/JsonPrimitive.java

* /gson-2-13-1-sources-jar/com/google/gson/ExclusionStrategy.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonDeserializationContext.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/GsonPreconditions.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonElement.java
*
 /gson-2-13-1-sources-jar/com/google/gson/annotations/package-info.java
* /gson-2-13-1-sources-jar/com/google/gson/annotations/SerializedName.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonSerializer.java
* /gson-2-13-1-sources-jar/com/google/gson/Gson.java
* /gson-2-13-1-sources-jar/com/google/gson/GsonBuilder.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonSerializationContext.java
* /gson-2-13-1-sources-jar/com/google/gson/package-info.java
* /gson-2-13-1-sources-jar/com/google/gson/annotations/Until.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonIOException.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/Primitives.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonDeserializer.java
* /gson-2-13-1-sources-jar/com/google/gson/reflect/TypeToken.java
* /gson-2-13-1-sources-jar/com/google/gson/reflect/package-info.java
* /gson-2-13-1-sources-jar/com/google/gson/InstanceCreator.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/ObjectConstructor.java
*
 /gson-2-13-1-sources-jar/com/google/gson/internal/GsonTypes.java
* /gson-2-13-1-sources-jar/com/google/gson/FieldNamingPolicy.java
* /gson-2-13-1-sources-jar/com/google/gson/FieldNamingStrategy.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonArray.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonObject.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/DefaultDateTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/Excluder.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonParseException.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonNull.java
* /gson-2-13-1-sources-jar/com/google/gson/annotations/Expose.java
* /gson-2-13-1-sources-jar/com/google/gson/annotations/Since.java
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/stream/JsonScope.java
* /gson-2-13-1-sources-jar/com/google/gson/stream/MalformedJsonException.java
* /gson-2-13-1-sources-jar/com/google/gson/stream/JsonWriter.java
* /gson-2-13-1-sources-jar/com/google/gson/stream/JsonToken.java
* /gson-2-13-1-sources-jar/com/google/gson/stream/JsonReader.java
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Found in path(s):
* /gson-2-13-1-sources-jar/com/google/gson/internal/Streams.java
* /gson-2-13-1-sources-jar/com/google/gson/JsonSyntaxException.java
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* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/CollectionTypeAdapterFactory.java
* /gson-2-13-1-sources-jar/com/google/gson/TypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/TypeAdapters.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
*
/gson-2-13-1-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/JsonTreeReader.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/TypeAdapterRuntimeTypeWrapper.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/JsonTreeWriter.java
* /gson-2-13-1-sources-jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /gson-2-13-1-sources-jar/com/google/gson/TypeAdapterFactory.java

1.512 aws-java-sdk-kms 1.12.783

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*/
/**
    *
    * Identifies the alias that is changing its KMS key. This value must begin with <code>alias/</code> followed by the
    * alias name, such as <code>alias/ExampleAlias</code>. You cannot use <code>UpdateAlias</code> to change the alias
    * name.
    *
    * <important>
    *
    * Do not include confidential or
 sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.

```
    * </p>
    * </important>
    */
/**
    * <p>
    * Identifies the alias that is changing its KMS key. This value must begin with <code>alias/</code> followed by the
    * alias name, such as <code>alias/ExampleAlias</code>. You cannot use <code>UpdateAlias</code> to change the alias
    * name.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    *
    * @param aliasName
    *        Identifies the alias that is changing its KMS key. This value must begin with <code>alias/</code> followed
    *        by the alias name, such as <code>alias/ExampleAlias</code>. You cannot use <code>UpdateAlias</code> to
    *        change the alias name.</p> <important>
    *
   <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    */
/**
    * <p>
    * Identifies the alias that is changing its KMS key. This value must begin with <code>alias/</code> followed by the
    * alias name, such as <code>alias/ExampleAlias</code>. You cannot use <code>UpdateAlias</code> to change the alias
    * name.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    *
    * @return Identifies the alias that is changing its KMS key. This value must begin with <code>alias/</code>
    *         followed by the alias name, such as <code>alias/ExampleAlias</code>. You cannot use
    *         <code>UpdateAlias</code> to change the alias name.</p>
```

<important>
*
* Do not include confidential or sensitive information in this field. This field may be displayed in
* plaintext in CloudTrail logs and other output.
*
*/

Found in path(s):
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*/
/**
*
* New description for the KMS key.
*
* <important>
*
* Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
* CloudTrail logs and other output.
*
* </important>
*/
/**
*
* New description for the KMS key.
*
* <important>
*
* Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
* CloudTrail logs and other output.
*
* </important>
*

```
    * @param description
    *        New description for the KMS key.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    */
/**
    * <p>
    * New description for the KMS key.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    *
    * @return New description for the KMS key.</p> <important>
    *         <p>
    *         Do not include confidential or sensitive information
 in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    */
```

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


```
/**
    * <p>
```

```
    * Specifies a friendly name for the custom key store. The name must be unique in your Amazon Web Services account
    * and Region. This parameter is required for all custom key stores.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    */
/**
    * <p>
    * Specifies a friendly name for the custom key store. The name must be unique in your Amazon Web Services account
    * and Region. This parameter is required for all custom key stores.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    *
    * @param customKeyStoreName
    *        Specifies a friendly name for the custom key store. The name must be unique in your Amazon Web Services
    *        account and Region. This parameter is required for all custom key stores.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.

  *       </p>
    */
/**
    * <p>
    * Specifies a friendly name for the custom key store. The name must be unique in your Amazon Web Services account
    * and Region. This parameter is required for all custom key stores.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    *
```

```
    * @return Specifies a friendly name for the custom key store. The name must be unique in your Amazon Web Services
    *         account and Region. This parameter is required for all custom key stores.</p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/CreateCustomKeyStoreRequest.java
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*/
/**
* <p>
* A key-value pair. A tag consists of a tag key and a tag value. Tag keys and tag values are both required, but tag
* values can be empty (null) strings.
* </p>
* <important>
* <p>
* Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
* CloudTrail logs and other output.
 * </p>
* </important>
* <p>
* For information about the rules that apply to tag keys and tag values, see <a
* href="https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/allocation-tag-restrictions.html">User-Defined Tag
* Restrictions</a> in the <i>Amazon Web Services Billing and Cost Management User Guide</i>.
* </p>
*
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/kms-2014-11-01/Tag" target="_top">AWS API
```

Documentation
*/

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/Tag.java
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* and limitations under the License.
*/
```
/**
   * <p>
   * Specifies the encryption context that will be used when encrypting the private key in the data key pair.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
    * <p>
   * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
   * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
   * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
   * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
   * context is optional, but it is strongly recommended.
   * </p>
   * <p>
   * For more information, see <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
   * in the <i>Key Management Service Developer Guide</i>.
   * </p>
   */
/**
```

```
    * <p>
    * Specifies the encryption context that will be used when encrypting the private key in the data key pair.
    * </p>
    * <important>
    * <p>
    * Do not include confidential
 or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @return Specifies the encryption context that will
 be used when encrypting the private key in the data key
    *         pair.</p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    *         authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
    *         exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *         only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS
keys,
    *         an encryption context is optional, but it is strongly recommended.
    *         </p>
    *         <p>
    *         For more information, see <a
    *
       href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *         context</a> in the <i>Key Management Service Developer Guide</i>.
    */
/**
```

```
    * <p>
    * Specifies the encryption context that will be used when encrypting the private key in the data key pair.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @param encryptionContext
    *        Specifies the encryption context that will be used when encrypting the private key in the data key
    *        pair.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
    *        <p>
    *        An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    *        authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
    *        exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *        only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys,
    *        an encryption context is optional, but it is strongly recommended.
    *        </p>
    *        <p>
    *        For more information, see <a
    *        href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *        context</a> in the <i>Key Management Service Developer Guide</i>.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GenerateDataKeyPairWithoutPlaintextRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GenerateDataKeyPairRequest.java
No license file was found, but licenses were detected in source scan.

```
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* and limitations under the License.
*/
/**
    * <p>
    * A description of the KMS key. Use a description that helps you decide whether the KMS key is appropriate for a
    * task. The default value is an empty string (no description).
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * To set or change the description after the key is created, use <a>UpdateKeyDescription</a>.
    * </p>
    */
/**
    * <p>
    * A description of the KMS key. Use a description that helps you decide whether the KMS key is appropriate for a
    * task. The default value is an empty string (no description).
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
```

```
   * </p>
   * </important>
   * <p>
   * To set or change the description after the key is created, use <a>UpdateKeyDescription</a>.
   * </p>
   *
   * @param description
   *        A description of the KMS key. Use a description that helps you decide whether the KMS key is appropriate
   *        for a task. The default value is an empty string (no description).</p>
 <important>
   *        <p>
   *        Do not include confidential or sensitive information in this field. This field may be displayed in
   *        plaintext in CloudTrail logs and other output.
   *        </p>
   *        </important>
   *        <p>
   *        To set or change the description after the key is created, use <a>UpdateKeyDescription</a>.
   */
/**
   * <p>
   * A description of the KMS key. Use a description that helps you decide whether the KMS key is appropriate for
a
   * task. The default value is an empty string (no description).
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * To set or change the description after the key is created, use <a>UpdateKeyDescription</a>.
   * </p>
   *
   * @return A description of the KMS key.
 Use a description that helps you decide whether the KMS key is appropriate
   *        for a task. The default value is an empty string (no description).</p> <important>
   *        <p>
   *        Do not include confidential or sensitive information in this field. This field may be displayed in
   *        plaintext in CloudTrail logs and other output.
   *        </p>
   *        </important>
   *        <p>
   *        To set or change the description after the key is created, use <a>UpdateKeyDescription</a>.
   */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/CreateKeyRequest.java

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```
/*
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* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
   * <p>
   * One or more tags. Each tag consists of a tag key and a tag value. The tag value can be an empty (null) string.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>

   * </important>
   * <p>
   * You cannot have more than one tag on a KMS key with the same tag key. If you specify an existing tag key with a
   * different tag value, KMS replaces the current tag value with the specified one.
   * </p>
   */
/**
   * <p>
   * One or more tags. Each tag consists of a tag key and a tag value. The tag value can be an empty (null) string.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * You cannot have more than one tag on a KMS key with the same tag key. If you specify an existing tag key with a
   * different tag value, KMS replaces the current tag value with the specified one.
```

```
    * </p>
    *
    * @return One or more tags. Each tag consists of a tag key and a tag value. The tag value can be an empty (null)
    *         string.
 </p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         You cannot have more than one tag on a KMS key with the same tag key. If you specify an existing tag
key
    *         with a different tag value, KMS replaces the current tag value with the specified one.
    */
/**
    * <p>
    * One or more tags. Each tag consists of a tag key and a tag value. The tag value can be an empty (null) string.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * You cannot have more than one tag on a KMS key with the same tag key. If you specify an existing tag key
with
 a
    * different tag value, KMS replaces the current tag value with the specified one.
    * </p>
    *
    * @param tags
    *         One or more tags. Each tag consists of a tag key and a tag value. The tag value can be an empty (null)
    *         string. </p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         You cannot have more than one tag on a KMS key with the same tag key. If you specify an existing tag key
    *         with a different tag value, KMS replaces the current tag value with the specified one.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/TagResourceRequest.java

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

```
/*
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* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
   * <p>
   * Specifies the encryption context that will be used when encrypting the data key.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
   * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
   * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
   * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
   * context is optional, but it is strongly recommended.
   * </p>
   * <p>
   * For more information, see <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
   * in the <i>Key Management Service Developer Guide</i>.
   * </p>
   */
/**
   * <p>
   * Specifies the encryption context that will be used when encrypting the data key.
   * </p>
   * <important>
   * <p>
```

```
    * Do not include confidential or sensitive information in this field. This field
 may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @return Specifies the encryption context that will be used when encrypting the data key.</p> <important>
     *         <p>
     *         Do not include confidential or sensitive information in this field. This field may be displayed in
     *         plaintext in CloudTrail logs and other output.
     *         </p>
     *         </important>
     *         <p>
     *         An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
     *         authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
     *         exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
     *         only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS
keys,
     *         an encryption context is optional, but it is strongly recommended.
     *         </p>
     *         <p>
     *         For more information, see <a
     *
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
     *         context</a> in the <i>Key Management Service Developer Guide</i>.
    */
/**
    * <p>
    * Specifies the encryption context that will be used when encrypting the data key.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
```

```
    * </p>
    * </important>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>

 * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @param encryptionContext
    *        Specifies the encryption context that will be used when encrypting the data key.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
    *        <p>
    *        An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    *        authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
    *        exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *        only on
 operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys,
    *        an encryption context is optional, but it is strongly recommended.
    *        </p>
    *        <p>
    *        For more information, see <a
    *
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *        context</a> in the <i>Key Management Service Developer Guide</i>.
    */

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/GenerateDataKeyWithoutPlaintextRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GenerateDataKeyRequest.java
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*/

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/CustomKeyStoreNameInUseExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/MultiRegionConfigurationJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/AliasListEntry.java
*
 /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/EnableKeyRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/ListKeyPoliciesRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/KeyUnavailableExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/UpdateKeyDescriptionRequestProtocolMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GetKeyRotationStatusResult.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/EnableKeyRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/CustomKeyStoresListEntryMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/ExpiredImportTokenExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/AlreadyExistsExceptionUnmarshaller.java
*
 /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/InvalidArnExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/ListGrantsRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/KeySpec.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/XksKeyAlreadyInUseException.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/GetKeyPolicyRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-

jar/com/amazonaws/services/kms/model/transform/CreateGrantRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/DescribeKeyResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ConflictException.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CreateGrantRequestProtocolMarshaller.java
*
/aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/GenerateDataKeyResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CreateAliasResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/DeleteAliasResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/RecipientInfo.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/DeleteAliasRequestProtocolMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CloudHsmClusterInvalidConfigurationExceptionUnmarshaller.j
ava
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/KMSInvalidSignatureExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/GenerateMacResultJsonUnmarshaller.java
*
/aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GenerateDataKeyPairResult.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/EnableKeyResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/KeyListEntryMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/PutKeyPolicyResult.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/WrappingKeySpec.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/MalformedPolicyDocumentException.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/GrantListEntryMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/DeleteAliasResult.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ListGrantsRequest.java
*
/aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/XksProxyConnectivityType.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/VerifyResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/XksProxyUriUnreachableExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/XksKeyAlreadyInUseExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/DisableKeyRotationRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ScheduleKeyDeletionResult.java
* /aws-java-sdk-kms-1-12-783-sources-

jar/com/amazonaws/services/kms/model/transform/DeleteImportedKeyMaterialRequestProtocolMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/DependencyTimeoutExceptionUnmarshaller.java
*
/aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/UpdatePrimaryRegionRequest.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/RetireGrantRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/GenerateRandomRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/RotateKeyOnDemandRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ScheduleKeyDeletionRequest.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/XksProxyAuthenticationCredentialTypeMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CustomKeyStoresListEntryJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CreateKeyRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/CloudHsmClusterInUseException.java
*
/aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/CloudHsmClusterInUseExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ListKeysRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/InvalidKeyUsageException.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/DeriveSharedSecretRequest.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/LimitExceededException.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/KMSInternalExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/KeyEncryptionMechanism.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/package-info.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/RecipientInfoJsonUnmarshaller.java
*
/aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/InvalidCiphertextException.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/CustomKeyStoreInvalidStateException.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ListGrantsResult.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/KMSInvalidMacExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/DisableKeyRequestProtocolMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/CreateGrantResult.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/UpdateCustomKeyStoreRequestMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/InvalidGrantIdExceptionUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/SignRequestMarshaller.java

*
/aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/SigningAlgorithmSpec.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/DisabledException.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/SignResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/ReplicateKeyResultJsonUnmarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
jar/com/amazonaws/services/kms/model/transform/UntagResourceRequestProtocolMarshaller.java
* /aws-java-sdk-kms-1-12-783-sources-
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* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/RetireGrantResult.java
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* /aws-java-sdk-kms-1-12-783-sources-
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* /aws-java-sdk-kms-1-12-783-sources-
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* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/DescribeKeyResult.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/KMSInternalException.java
* /aws-java-sdk-kms-1-12-783-sources-
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* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/GrantConstraints.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/KeyManagerType.java
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/AWSKMS.java
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* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/transform/ListAliasesRequestMarshaller.java
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*/
```
/**
    * <p>
    * Specifies the encryption context that will be used to encrypt the data. An encryption context is valid only for
    * <a href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#cryptographic-operations">
    * cryptographic operations</a> with a symmetric encryption KMS key. The standard asymmetric encryption algorithms
    * and HMAC algorithms that KMS uses do not support an encryption context.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    */
/**
    * <p>
    * Specifies the encryption context that will be used to encrypt the data. An encryption context is valid only for
    * <a href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#cryptographic-operations">
    * cryptographic operations</a> with a symmetric encryption KMS key. The standard asymmetric encryption
```

```
algorithms
   * and HMAC algorithms that KMS uses do not support an encryption context.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
   * authenticated data. When you use an encryption context to encrypt data, you must specify
 the same (an exact
   * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
   * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
   * context is optional, but it is strongly recommended.
   * </p>
   * <p>
   * For more information, see <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
   * in the <i>Key Management Service Developer Guide</i>.
   * </p>
   *
   * @return Specifies the encryption context that will be used to encrypt the data. An encryption context is valid
   *         only for <a
   *         href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#cryptographic-operations"
   *         >cryptographic operations</a> with a symmetric encryption KMS key. The standard asymmetric
encryption
   *         algorithms and HMAC algorithms that
 KMS uses do not support an encryption context. </p> <important>
   *         <p>
   *         Do not include confidential or sensitive information in this field. This field may be displayed in
   *         plaintext in CloudTrail logs and other output.
   *         </p>
   *         </important>
   *         <p>
   *         An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
   *         authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
   *         exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
   *         only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS
keys,
   *         an encryption context is optional, but it is strongly recommended.
   *         </p>
   *         <p>
   *         For more information, see <a
   *
```

```
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
     *         context</a> in the <i>Key Management Service Developer Guide</i>.
     */
/**
     * <p>
     * Specifies the encryption context that will be used to encrypt the data. An encryption context is valid only for
     * <a href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#cryptographic-operations">
     * cryptographic operations</a> with a symmetric encryption KMS key. The standard asymmetric encryption
algorithms
     * and HMAC algorithms that KMS uses do not support an encryption context.
     * </p>
     * <important>
     * <p>
     * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
     * CloudTrail logs and other output.
     * </p>
     * </important>
     * <p>
     * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
     * authenticated data. When you
 use an encryption context to encrypt data, you must specify the same (an exact
     * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
     * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
     * context is optional, but it is strongly recommended.
     * </p>
     * <p>
     * For more information, see <a
     * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
     * in the <i>Key Management Service Developer Guide</i>.
     * </p>
     *
     * @param encryptionContext
     *         Specifies the encryption context that will be used to encrypt the data. An encryption context is valid
     *         only for <a
     *         href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#cryptographic-operations"
     *         >cryptographic operations</a> with a symmetric encryption KMS key.
 The standard asymmetric encryption
     *         algorithms and HMAC algorithms that KMS uses do not support an encryption context. </p> <important>
     *         <p>
     *         Do not include confidential or sensitive information in this field. This field may be displayed in
     *         plaintext in CloudTrail logs and other output.
     *         </p>
     *         </important>
     *         <p>
     *         An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
     *         authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
```

```
    *       exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *       only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS
keys,
    *       an encryption context is optional, but it is strongly recommended.
    *       </p>
    *       <p>
    *
        For more information, see <a
    *
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *       context</a> in the <i>Key Management Service Developer Guide</i>.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/EncryptRequest.java
No license file was found, but licenses were detected in source scan.

```
/*
* Copyright 2020-2025 Amazon.com, Inc. or its affiliates. All Rights Reserved.
*
* Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance
with
* the License. A copy of the License is located at
*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT
WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
permissions
* and limitations under the License.
*/
/**
    * <p>
    * Identifies the KMS key for the grant. The grant gives principals permission to use this KMS key.
    * </p>
    * <p>
    * Specify the key ID or key ARN of the KMS key. To specify a KMS key in a different Amazon Web Services
account,
    * you must use the key ARN.
    * </p>
    * <p>
    * For example:
    * </p>
     * <ul>
    * <li>
    * <p>
    * Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
```

```
   * </p>
   * </li>
   * <li>
   * <p>
   * Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
   * </p>
   * </li>
   * </ul>
   * <p>
   * To get the key ID and key ARN for a KMS key, use <a>ListKeys</a> or <a>DescribeKey</a>.
   * </p>
   */
/**
   * <p>
   * The principal that has permission to use the <a>RetireGrant</a> operation to retire the grant.
   * </p>
   * <p>
   * To specify the principal, use the <a
   * href="https://docs.aws.amazon.com/general/latest/gr/aws-arns-and-namespaces.html">Amazon Resource Name
(ARN)</a>
   * of an Amazon Web Services principal. Valid principals include Amazon Web Services accounts, IAM users,
IAM roles,
   * federated users, and assumed role users. For help with the ARN syntax for a principal, see <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_identifiers.html#identifiers-arns">IAM
 ARNs</a>
   * in the <i> <i>Identity and Access Management User Guide</i> </i>.
   * </p>
   * <p>
   * The grant determines the retiring principal. Other principals might have permission to retire the grant or revoke
   * the grant. For details, see <a>RevokeGrant</a> and <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/grant-manage.html#grant-delete">Retiring and
revoking
   * grants</a> in the <i>Key Management Service Developer Guide</i>.
   * </p>
   */
/**
   * <p>
   * Specifies a grant constraint.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * KMS supports the <code>EncryptionContextEquals</code> and <code>EncryptionContextSubset</code> grant
constraints,
```

```
    * which allow the permissions
 in the grant only when the encryption context in the request matches (
    * <code>EncryptionContextEquals</code>) or includes (<code>EncryptionContextSubset</code>) the
encryption context
    * specified in the constraint.
    * </p>
    * <p>
    * The encryption context grant constraints are supported only on <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/grants.html#terms-grant-operations">grant
    * operations</a> that include an <code>EncryptionContext</code> parameter, such as cryptographic operations
on
    * symmetric encryption KMS keys. Grants with grant constraints can include the <a>DescribeKey</a> and
    * <a>RetireGrant</a> operations, but the constraint doesn't apply to these operations. If a grant with a grant
    * constraint includes the <code>CreateGrant</code> operation, the constraint requires that any grants created
with
    * the <code>CreateGrant</code> permission have an equally strict or stricter encryption context constraint.
     * </p>
    * <p>
    * You cannot use an encryption context grant constraint for cryptographic operations with asymmetric KMS keys
or
    * HMAC KMS keys. Operations with these keys don't support an encryption context.
    * </p>
    * <p>
    * Each constraint value can include up to 8 encryption context pairs. The encryption context value in each
    * constraint cannot exceed 384 characters. For information about grant constraints, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/create-grant-overview.html#grant-
constraints">Using
    * grant constraints</a> in the <i>Key Management Service Developer Guide</i>. For more information about
encryption
    * context, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i> <i>Key Management Service Developer Guide</i> </i>.
    * </p>
    */
/**
    * <p>
    * Identifies the KMS key for the grant.
 The grant gives principals permission to use this KMS key.
    * </p>
    * <p>
    * Specify the key ID or key ARN of the KMS key. To specify a KMS key in a different Amazon Web Services
account,
    * you must use the key ARN.
    * </p>
    * <p>
    * For example:
    * </p>
```

```
   * <ul>
   * <li>
   * <p>
   * Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
   * </p>
   * </li>
   * <li>
   * <p>
   * Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
   * </p>
   * </li>
   * </ul>
   * <p>
   * To get the key ID and key ARN for a KMS key, use <a>ListKeys</a> or <a>DescribeKey</a>.
   * </p>
   *
   * @param keyId
   *        Identifies the KMS key for the grant. The grant gives principals permission to use this KMS key.</p>
   *        <p>
   *        Specify the key ID or key ARN of the KMS key. To specify a KMS key in a different Amazon Web
Services
   *        account, you
 must use the key ARN.
   *        </p>
   *        <p>
   *        For example:
   *        </p>
   *        <ul>
   *        <li>
   *        <p>
   *        Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
   *        </p>
   *        </li>
   *        <li>
   *        <p>
   *        Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-
1234567890ab</code>
   *        </p>
   *        </li>
   *        </ul>
   *        <p>
   *        To get the key ID and key ARN for a KMS key, use <a>ListKeys</a> or <a>DescribeKey</a>.
   */
/**
   * <p>
   * Identifies the KMS key for the grant. The grant gives principals permission to use this KMS key.
   * </p>
   * <p>
```

```
   * Specify the key ID or key ARN of the KMS key. To specify a KMS key in a different Amazon Web Services account,
   * you must use the key ARN.
   * </p>
   * <p>
   * For example:
   * </p>
   * <ul>
   * <li>
   * <p>
   *
 Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
   * </p>
   * </li>
   * <li>
   * <p>
   * Key ARN: <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
   * </p>
   * </li>
   * </ul>
   * <p>
   * To get the key ID and key ARN for a KMS key, use <a>ListKeys</a> or <a>DescribeKey</a>.
   * </p>
   *
   * @return Identifies the KMS key for the grant. The grant gives principals permission to use this KMS key.</p>
   *         <p>
   *         Specify the key ID or key ARN of the KMS key. To specify a KMS key in a different Amazon Web Services
   *         account, you must use the key ARN.
   *         </p>
   *         <p>
   *         For example:
   *         </p>
   *         <ul>
   *         <li>
   *         <p>
   *         Key ID: <code>1234abcd-12ab-34cd-56ef-1234567890ab</code>
   *         </p>
   *         </li>
   *         <li>
   *         <p>
   *         Key ARN:
 <code>arn:aws:kms:us-east-2:111122223333:key/1234abcd-12ab-34cd-56ef-1234567890ab</code>
   *         </p>
   *         </li>
   *         </ul>
   *         <p>
   *         To get the key ID and key ARN for a KMS key, use <a>ListKeys</a> or <a>DescribeKey</a>.
```

```
    */
/**
    * <p>
    * The principal that has permission to use the <a>RetireGrant</a> operation to retire the grant.
    * </p>
    * <p>
    * To specify the principal, use the <a
    * href="https://docs.aws.amazon.com/general/latest/gr/aws-arns-and-namespaces.html">Amazon Resource Name
(ARN)</a>
    * of an Amazon Web Services principal. Valid principals include Amazon Web Services accounts, IAM users,
IAM roles,
    * federated users, and assumed role users. For help with the ARN syntax for a principal, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_identifiers.html#identifiers-arns">IAM
ARNs</a>
    * in the <i> <i>Identity and Access Management User Guide</i> </i>.
     * </p>
    * <p>
    * The grant determines the retiring principal. Other principals might have permission to retire the grant or revoke
    * the grant. For details, see <a>RevokeGrant</a> and <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/grant-manage.html#grant-delete">Retiring and
revoking
    * grants</a> in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @param retiringPrincipal
    *        The principal that has permission to use the <a>RetireGrant</a> operation to retire the grant. </p>
    *        <p>
    *        To specify the principal, use the <a
    *        href="https://docs.aws.amazon.com/general/latest/gr/aws-arns-and-namespaces.html">Amazon Resource
Name
    *        (ARN)</a> of an Amazon Web Services principal. Valid principals include Amazon Web Services
accounts, IAM
    *        users, IAM roles, federated users, and assumed role users. For help with the ARN syntax for a principal,
    *
    see <a
    *        href="https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_identifiers.html#identifiers-
arns">IAM
    *        ARNs</a> in the <i> <i>Identity and Access Management User Guide</i> </i>.
    *        </p>
    *        <p>
    *        The grant determines the retiring principal. Other principals might have permission to retire the grant or
    *        revoke the grant. For details, see <a>RevokeGrant</a> and <a
    *        href="https://docs.aws.amazon.com/kms/latest/developerguide/grant-manage.html#grant-delete">Retiring
and
    *        revoking grants</a> in the <i>Key Management Service Developer Guide</i>.
    */
/**
    * <p>
```

```
    * The principal that has permission to use the <a>RetireGrant</a> operation to retire the grant.
    * </p>
    * <p>
    * To specify the principal, use the <a
    * href="https://docs.aws.amazon.com/general/latest/gr/aws-arns-and-namespaces.html">Amazon Resource Name
(ARN)</a>
    * of an Amazon Web Services
 principal. Valid principals include Amazon Web Services accounts, IAM users, IAM roles,
    * federated users, and assumed role users. For help with the ARN syntax for a principal, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_identifiers.html#identifiers-arns">IAM
ARNs</a>
    * in the <i> <i>Identity and Access Management User Guide</i> </i>.
    * </p>
    * <p>
    * The grant determines the retiring principal. Other principals might have permission to retire the grant or revoke
    * the grant. For details, see <a>RevokeGrant</a> and <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/grant-manage.html#grant-delete">Retiring and
revoking
    * grants</a> in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @return The principal that has permission to use the <a>RetireGrant</a> operation to retire the grant. </p>
    *         <p>
    *         To specify the principal, use the <a
    *
    href="https://docs.aws.amazon.com/general/latest/gr/aws-arns-and-namespaces.html">Amazon Resource Name
    *         (ARN)</a> of an Amazon Web Services principal. Valid principals include Amazon Web Services
accounts, IAM
    *         users, IAM roles, federated users, and assumed role users. For help with the ARN syntax for a principal,
    *         see <a
    *         href="https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_identifiers.html#identifiers-
arns">IAM
    *         ARNs</a> in the <i> <i>Identity and Access Management User Guide</i> </i>.
    *         </p>
    *         <p>
    *         The grant determines the retiring principal. Other principals might have permission to retire the grant
    *         or revoke the grant. For details, see <a>RevokeGrant</a> and <a
    *         href="https://docs.aws.amazon.com/kms/latest/developerguide/grant-manage.html#grant-delete">Retiring
and
    *         revoking grants</a> in the <i>Key Management Service
 Developer Guide</i>.
    */
/**
    * <p>
    * Specifies a grant constraint.
    * </p>
    * <important>
    * <p>
```

```
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * KMS supports the <code>EncryptionContextEquals</code> and <code>EncryptionContextSubset</code> grant
constraints,
    * which allow the permissions in the grant only when the encryption context in the request matches (
    * <code>EncryptionContextEquals</code>) or includes (<code>EncryptionContextSubset</code>) the
encryption context
    * specified in the constraint.
    * </p>
    * <p>
    * The encryption context grant constraints are supported only on <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/grants.html#terms-grant-operations">grant
    * operations</a> that include an <code>EncryptionContext</code> parameter, such
 as cryptographic operations on
    * symmetric encryption KMS keys. Grants with grant constraints can include the <a>DescribeKey</a> and
    * <a>RetireGrant</a> operations, but the constraint doesn't apply to these operations. If a grant with a grant
    * constraint includes the <code>CreateGrant</code> operation, the constraint requires that any grants created
with
    * the <code>CreateGrant</code> permission have an equally strict or stricter encryption context constraint.
    * </p>
    * <p>
    * You cannot use an encryption context grant constraint for cryptographic operations with asymmetric KMS keys
or
    * HMAC KMS keys. Operations with these keys don't support an encryption context.
    * </p>
    * <p>
    * Each constraint value can include up to 8 encryption context pairs. The encryption context value in each
    * constraint cannot exceed 384 characters. For information about grant constraints, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/create-grant-overview.html#grant-
constraints">Using
     * grant constraints</a> in the <i>Key Management Service Developer Guide</i>. For more information about
encryption
    * context, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i> <i>Key Management Service Developer Guide</i> </i>.
    * </p>
    *
    * @param constraints
    *        Specifies a grant constraint.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
```

```
    *       <p>
    *       KMS supports the <code>EncryptionContextEquals</code> and <code>EncryptionContextSubset</code>
grant
    *       constraints, which allow the permissions in the grant only when the encryption context in the request
    *
        matches (<code>EncryptionContextEquals</code>) or includes (<code>EncryptionContextSubset</code>) the
    *       encryption context specified in the constraint.
    *       </p>
    *       <p>
    *       The encryption context grant constraints are supported only on <a
    *       href="https://docs.aws.amazon.com/kms/latest/developerguide/grants.html#terms-grant-operations">grant
    *       operations</a> that include an <code>EncryptionContext</code> parameter, such as cryptographic
operations
    *       on symmetric encryption KMS keys. Grants with grant constraints can include the <a>DescribeKey</a>
and
    *       <a>RetireGrant</a> operations, but the constraint doesn't apply to these operations. If a grant with a
    *       grant constraint includes the <code>CreateGrant</code> operation, the constraint requires that any grants
    *       created with the <code>CreateGrant</code> permission have an equally strict or stricter encryption context
     *       constraint.
    *       </p>
    *       <p>
    *       You cannot use an encryption context grant constraint for cryptographic operations with asymmetric KMS
    *       keys or HMAC KMS keys. Operations with these keys don't support an encryption context.
    *       </p>
    *       <p>
    *       Each constraint value can include up to 8 encryption context pairs. The encryption context value in each
    *       constraint cannot exceed 384 characters. For information about grant constraints, see <a href=
    *       "https://docs.aws.amazon.com/kms/latest/developerguide/create-grant-overview.html#grant-
constraints">Using
    *       grant constraints</a> in the <i>Key Management Service Developer Guide</i>. For more information
about
    *       encryption context, see <a
    *
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *       context</a> in the <i> <i>Key Management Service
 Developer Guide</i> </i>.
    */
/**
    * <p>
    * Specifies a grant constraint.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
```

```
    * KMS supports the <code>EncryptionContextEquals</code> and <code>EncryptionContextSubset</code> grant constraints,
    * which allow the permissions in the grant only when the encryption context in the request matches (
    * <code>EncryptionContextEquals</code>) or includes (<code>EncryptionContextSubset</code>) the encryption context
    * specified in the constraint.
    * </p>
    * <p>
    * The encryption context grant constraints are supported only on <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/grants.html#terms-grant-operations">grant
    * operations</a> that include an <code>EncryptionContext</code> parameter, such as cryptographic operations on
    * symmetric encryption KMS keys. Grants with grant constraints can include the <a>DescribeKey</a> and
    * <a>RetireGrant</a> operations, but the constraint doesn't apply to these operations. If a grant with a grant
    * constraint includes the <code>CreateGrant</code> operation, the constraint requires that any grants created with
    * the <code>CreateGrant</code> permission have an equally strict or stricter encryption context constraint.
    * </p>
    * <p>
    * You cannot use an encryption context grant constraint for cryptographic operations with asymmetric KMS keys or
    * HMAC KMS keys. Operations with these keys don't support an encryption context.
    * </p>
    * <p>
    * Each constraint value can include up to 8 encryption context pairs. The encryption context value in each
    * constraint cannot exceed 384 characters. For information about grant constraints, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/create-grant-overview.html#grant-constraints">Using
    * grant constraints</a> in the <i>Key Management Service Developer Guide</i>. For more information about encryption
    * context, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
    * in the <i> <i>Key Management Service Developer Guide</i> </i>.
    * </p>
    *
    * @return Specifies a grant constraint.</p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         KMS supports the <code>EncryptionContextEquals</code> and <code>EncryptionContextSubset</code> grant
    *         constraints, which allow the permissions in the grant only when the encryption context in the request
    *         matches
```

(<code>EncryptionContextEquals</code>) or includes (<code>EncryptionContextSubset</code>) the
* encryption context specified in the constraint.
*
*
* The encryption context grant constraints are supported only on <a
* href="https://docs.aws.amazon.com/kms/latest/developerguide/grants.html#terms-grant-operations">grant
* operations that include an <code>EncryptionContext</code> parameter, such as cryptographic
operations
* on symmetric encryption KMS keys. Grants with grant constraints can include the <a>DescribeKey
and
* <a>RetireGrant operations, but the constraint doesn't apply to these operations. If a grant with a
* grant constraint includes the <code>CreateGrant</code> operation, the constraint requires that any grants
* created with the <code>CreateGrant</code> permission have an equally strict or stricter encryption
*
context constraint.
*
*
* You cannot use an encryption context grant constraint for cryptographic operations with asymmetric KMS
* keys or HMAC KMS keys. Operations with these keys don't support an encryption context.
*
*
* Each constraint value can include up to 8 encryption context pairs. The encryption context value in each
* constraint cannot exceed 384 characters. For information about grant constraints, see <a href=
* "https://docs.aws.amazon.com/kms/latest/developerguide/create-grant-overview.html#grant-constraints"
* >Using grant constraints in the Key Management Service Developer Guide. For more
information
* about encryption context, see <a
*
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
* context in the Key Management
Service Developer Guide .
*/

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/CreateGrantRequest.java
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```
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
   * <p>
   * Changes the friendly name of the custom key store to the value that you specify. The custom key store name must
   * be unique in the Amazon Web Services account.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * To change this value, an CloudHSM key store must be disconnected. An external key store can be connected or
   * disconnected.
   * </p>
   */
/**
   * <p>
   * Changes the friendly name of the custom key store to the value that you specify. The custom key store name must
   * be unique in the Amazon Web Services account.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * To change this value, an CloudHSM key store must be disconnected. An external key store can be connected or
   * disconnected.
   * </p>
   *
   * @param newCustomKeyStoreName
   *        Changes the friendly name of the custom key store to the value that you specify. The custom key store name
   *        must
 be unique in the Amazon Web Services account.</p> <important>
   *        <p>
   *        Do not include confidential or sensitive information in this field. This field may be displayed in
   *        plaintext in CloudTrail logs and other output.
   *        </p>
   *        </important>
```

```
    *       <p>
    *       To change this value, an CloudHSM key store must be disconnected. An external key store can be
connected
    *       or disconnected.
    */
/**
    * <p>
    * Changes the friendly name of the custom key store to the value that you specify. The custom key store name
must
    * be unique in the Amazon Web Services account.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * To change this value, an CloudHSM key store must be disconnected. An external key
 store can be connected or
    * disconnected.
    * </p>
    *
    * @return Changes the friendly name of the custom key store to the value that you specify. The custom key store
    *       name must be unique in the Amazon Web Services account.</p> <important>
    *       <p>
    *       Do not include confidential or sensitive information in this field. This field may be displayed in
    *       plaintext in CloudTrail logs and other output.
    *       </p>
    *       </important>
    *       <p>
    *       To change this value, an CloudHSM key store must be disconnected. An external key store can be
connected
    *       or disconnected.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/UpdateCustomKeyStoreRequest.java
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```

```
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* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
   * <p>
   * Specifies that encryption context to use when the reencrypting the data.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * A
 destination encryption context is valid only when the destination KMS key is a symmetric encryption KMS key.
   * The standard ciphertext format for asymmetric KMS keys does not include fields for metadata.
   * </p>
   * <p>
   * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
   * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
   * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
   * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
   * context is optional, but it is strongly recommended.
   * </p>
   * <p>
   * For more information, see <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
   * in the <i>Key Management Service Developer Guide</i>.
   * </p>

   */
/**
   * <p>
   * Specifies that encryption context to use when the reencrypting the data.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
```

```
    * </important>
    * <p>
    * A destination encryption context is valid only when the destination KMS key is a symmetric encryption KMS key.
    * The standard ciphertext format for asymmetric KMS keys does not include fields for metadata.
    * </p>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @return Specifies that encryption context to use when the reencrypting the data.</p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         A destination encryption context is valid only when the destination KMS key is a symmetric encryption KMS
    *         key. The standard ciphertext format for asymmetric KMS keys does not include fields for metadata.
    *         </p>
    *         <p>
    *          An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    *         authenticated data. When you use an encryption context to encrypt data, you must specify the same (an
    *         exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *         only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys,
    *         an encryption context is optional, but it is strongly recommended.
    *         </p>
    *         <p>
    *         For more information, see <a
    *         href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
    *         context</a> in the <i>Key Management Service Developer Guide</i>.
    */
    /**
    * <p>
```

```
    * Specifies that encryption context to use when the reencrypting the data.
    * </p>
    * <important>
    * <p>
    * Do not include
 confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * A destination encryption context is valid only when the destination KMS key is a symmetric encryption KMS
key.
    * The standard ciphertext format for asymmetric KMS keys does not include fields for metadata.
    * </p>
    * <p>
    * An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    * authenticated data. When you use an encryption context to encrypt data, you must specify the same (an exact
    * case-sensitive match) encryption context to decrypt the data. An encryption context is supported only on
    * operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS keys, an
encryption
    * context is optional, but it is strongly recommended.
    * </p>
    * <p>
    * For more information, see <a

 * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
context</a>
    * in the <i>Key Management Service Developer Guide</i>.
    * </p>
    *
    * @param destinationEncryptionContext
    *        Specifies that encryption context to use when the reencrypting the data.</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
    *        <p>
    *        A destination encryption context is valid only when the destination KMS key is a symmetric encryption
KMS
    *        key. The standard ciphertext format for asymmetric KMS keys does not include fields for metadata.
    *        </p>
    *        <p>
    *        An <i>encryption context</i> is a collection of non-secret key-value pairs that represent additional
    *        authenticated
 data. When you use an encryption context to encrypt data, you must specify the same (an
    *        exact case-sensitive match) encryption context to decrypt the data. An encryption context is supported
    *        only on operations with symmetric encryption KMS keys. On operations with symmetric encryption KMS
```

keys,
* an encryption context is optional, but it is strongly recommended.
*
*
* For more information, see <a
*
href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#encrypt_context">Encryption
* context in the Key Management Service Developer Guide.
*/

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ReEncryptRequest.java
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* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
*
* A description of the KMS key. The default value is an empty string (no description).
*
* <important>
*
* Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
* CloudTrail logs and other output.
*
* </important>
*
* The description is not a shared property of multi-Region keys. You can specify the same description or a
* different description for each key in a set of related multi-Region keys. KMS does not synchronize this property.
*
*/
/**
*
* A description of the KMS key. The default value is an empty string (no description).

```
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * The description is not a shared property of multi-Region keys. You can specify the same description or a
    * different description for each key in a set of related multi-Region keys. KMS does not synchronize this
property.
    * </p>
    *
    * @param description
    *        A description of the KMS key. The default value is an empty string (no description).</p> <important>
     *       <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
    *        <p>
    *        The description is not a shared property of multi-Region keys. You can specify the same description or a
    *        different description for each key in a set of related multi-Region keys. KMS does not synchronize this
    *        property.
    */
/**
    * <p>
    * A description of the KMS key. The default value is an empty string (no description).
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and other output.
    * </p>
    * </important>
    * <p>
    * The description is not a shared property of multi-Region keys. You can specify the same description or a
    * different
 description for each key in a set of related multi-Region keys. KMS does not synchronize this property.
    * </p>
    *
    * @return A description of the KMS key. The default value is an empty string (no description).</p> <important>
    *        <p>
    *        Do not include confidential or sensitive information in this field. This field may be displayed in
    *        plaintext in CloudTrail logs and other output.
    *        </p>
    *        </important>
    *        <p>
```

```
    *       The description is not a shared property of multi-Region keys. You can specify the same description or a
    *       different description for each key in a set of related multi-Region keys. KMS does not synchronize this
    *       property.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/ReplicateKeyRequest.java
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* or in the "license" file accompanying this file. This file is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions
* and limitations under the License.
*/
/**
    * <p>
    * Specifies the alias name. This value must begin with <code>alias/</code> followed by a name, such as
    * <code>alias/ExampleAlias</code>.
    * </p>
    * <important>
    * <p>
    * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
    * CloudTrail logs and
 other output.
    * </p>
    * </important>
    * <p>
    * The <code>AliasName</code> value must be string of 1-256 characters. It can contain only alphanumeric characters,
    * forward slashes (/), underscores (_), and dashes (-). The alias name cannot begin with <code>alias/aws/</code>.
    * The <code>alias/aws/</code> prefix is reserved for <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#aws-managed-cmk">Amazon Web Services
    * managed keys</a>.
    * </p>
    */
/**
    * <p>
```

```
   * Specifies the alias name. This value must begin with <code>alias/</code> followed by a name, such as
   * <code>alias/ExampleAlias</code>.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
   * The <code>AliasName</code> value must be string of 1-256 characters.
 It can contain only alphanumeric characters,
   * forward slashes (/), underscores (_), and dashes (-). The alias name cannot begin with <code>alias/aws/</code>.
   * The <code>alias/aws/</code> prefix is reserved for <a
   * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#aws-managed-cmk">Amazon
Web Services
   * managed keys</a>.
   * </p>
   *
   * @param aliasName
   *        Specifies the alias name. This value must begin with <code>alias/</code> followed by a name, such as
   *        <code>alias/ExampleAlias</code>. </p> <important>
   *        <p>
   *        Do not include confidential or sensitive information in this field. This field may be displayed in
   *        plaintext in CloudTrail logs and other output.
   *        </p>
   *        </important>
   *        <p>
   *        The <code>AliasName</code> value must be string of 1-256 characters. It can contain only alphanumeric
   *        characters, forward
 slashes (/), underscores (_), and dashes (-). The alias name cannot begin with
   *        <code>alias/aws/</code>. The <code>alias/aws/</code> prefix is reserved for <a
   *        href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#aws-managed-
cmk">Amazon Web
   *        Services managed keys</a>.
   */
/**
   * <p>
   * Specifies the alias name. This value must begin with <code>alias/</code> followed by a name, such as
   * <code>alias/ExampleAlias</code>.
   * </p>
   * <important>
   * <p>
   * Do not include confidential or sensitive information in this field. This field may be displayed in plaintext in
   * CloudTrail logs and other output.
   * </p>
   * </important>
   * <p>
```

```
    * The <code>AliasName</code> value must be string of 1-256 characters. It can contain only alphanumeric characters,
    * forward slashes (/), underscores (_), and dashes (-). The alias name cannot begin with <code>alias/aws/</code>.
    * The
 <code>alias/aws/</code> prefix is reserved for <a
    * href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#aws-managed-cmk">Amazon Web Services
    * managed keys</a>.
    * </p>
    *
    * @return Specifies the alias name. This value must begin with <code>alias/</code> followed by a name, such as
    *         <code>alias/ExampleAlias</code>. </p> <important>
    *         <p>
    *         Do not include confidential or sensitive information in this field. This field may be displayed in
    *         plaintext in CloudTrail logs and other output.
    *         </p>
    *         </important>
    *         <p>
    *         The <code>AliasName</code> value must be string of 1-256 characters. It can contain only alphanumeric
    *         characters, forward slashes (/), underscores (_), and dashes (-). The alias name cannot begin with
    *         <code>alias/aws/</code>. The <code>alias/aws/</code> prefix is reserved for <a
    *         href="https://docs.aws.amazon.com/kms/latest/developerguide/concepts.html#aws-managed-cmk">Amazon
 Web
    *         Services managed keys</a>.
    */
```

Found in path(s):
* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/services/kms/model/CreateAliasRequest.java
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```

Found in path(s):

* /aws-java-sdk-kms-1-12-783-sources-jar/com/amazonaws/auth/policy/actions/KMSActions.java

1.513 aws-java-sdk-core 1.12.783

1.513.1 Available under license :

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*/
```

Found in path(s):

* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/auth/DefaultSignerProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/adapters/types/TypeAdapter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/auth/SignerProvider.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/MetadataCache.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/auth/SignerProviderContext.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/auth/NoOpSignerProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/NullResponseMetadataCache.java

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```

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*
*/

Found in path(s):
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/URLEncodedUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/BasicNameValuePair.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/NameValuePair.java
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*/

Found in path(s):
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/ReleasableInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/ResettableInputStream.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTask.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SdkThreadLocals.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkMetricsSocket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SDKGlobalTime.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/TimeoutThreadPoolBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/NoOpClientExecutionAbortTrackerTask.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkThreadLocalsRegistry.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/UriResourcePathUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/DelegateInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/ClientExecutionTimer.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/transform/JsonErrorUnmarshaller.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/ValidationUtils.java

* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/JavaVersionParser.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskImpl.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTracker.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/DelegatingDnsResolver.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/http/timers/request/NoOpHttpRequestAbortTaskTracker.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/http/JsonErrorMessageParser.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/InternalLog.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTask.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/ReadLimitInfo.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkIOUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/SdkHttpUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/CommonsLogFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/NumberUtils.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkInternalList.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/conn/ssl/MasterSecretValidators.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/handlers/StackedRequestHandler.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkInternalMap.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/JulLogFactory.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTaskImpl.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/CommonsLog.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/DnsResolver.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/settings/HttpClientSettings.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/client/HttpClientFactory.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base16Lower.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/http/conn/ssl/privileged/PrivilegedMasterSecretValidator.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/ComparableUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/PredefinedClientConfigurations.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/handlers/HandlerContextKey.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/JulLog.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/JsonErrorResponseHandler.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/client/ConnectionManagerFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SystemDefaultDnsResolver.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/conn/SdkConnectionKeepAliveStrategy.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/DelegateSocket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SignableRequest.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkSSLMetricsSocket.java
* /aws-java-sdk-core-1-12-783-sources-

jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTask.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/request/HttpRequestTimer.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/http/JsonErrorCodeParser.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/GuardedBy.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/NotThreadSafe.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/SdkInternalApi.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/Immutable.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/Beta.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/ThreadSafe.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/annotation/SdkTestInternalApi.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/JsonResponseHandler.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/StructuredJsonGenerator.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/SdkCborGenerator.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Throwables.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/AbstractBase32Codec.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/SdkRuntime.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/EncodingSchemeEnum.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/RegionAwareSigner.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/Region.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/MetricAware.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/jmx/SdkMBeanRegistrySupport.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/IOUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base32.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base16.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkBufferedInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base16Codec.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/EC2MetadataUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ServiceAwareSigner.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/ResetException.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/EncodingScheme.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkFilterInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/HttpClientWrappingInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionMetadata.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionMetadataParser.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base64Codec.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkFilterOutputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/AWS4Signer.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Codec.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/MetricsInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/jmx/MBeans.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/ListWithAutoConstructFlag.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/CodecUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/AbortedException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Base32Codec.java
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/**
* Interface for providing AWS region information. Implementations are free to use any strategy for
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/UnreliableTestConfig.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/ProgressEventFilter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/LengthCheckInputStream.java
*
/aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/ProfileProcessCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigLoader.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/DeliveryMode.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/internal/SignerConstants.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/Releasable.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/ProgressInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/ProfileCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ProcessCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/request/ProgressSupport.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/request/Progress.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/RequestProgressInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/SyncProgressListener.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/internal/SignerKey.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/ProfilesConfigFile.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/package-info.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/ProgressTracker.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/DelegateSSLSocket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/UnreliableFilterInputStream.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/BoundedLinkedHashMap.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/RoleInfo.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/Platform.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/SDKProgressPublisher.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/securitytoken/STSProfileCredentialsServiceProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkSSLSocket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/ResponseProgressInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/Profile.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/SdkSocket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/FIFOCache.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java
*

/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/securitytoken/STSProfileCredentialsServiceLoader.java
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*/
/**
* Interface for providing AWS credentials. Implementations are free to use any
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```

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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/partitions/model/CredentialScope.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/partitions/model/Partition.java
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 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionMetadataProvider.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/partitions/model/Region.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/apache/client/impl/CRC32ChecksumResponseInterceptor.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/partitions/PartitionRegionImpl.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/RegionImpl.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/AWS4UnsignedPayloadSigner.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/NoOpSigner.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/monitoring/internal/AgentMonitoringListener.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/apache/utils/HttpContextUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/config/InternalConfig.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/PredefinedRetryPolicies.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/waiters/WaiterState.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/event/ProgressEvent.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/metrics/SimpleThroughputMetricType.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/waiters/WaiterHandler.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/monitoring/MonitoringEvent.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/HttpResponseHandler.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/CRC32MismatchException.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/AwsHostNameUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/CustomBackoffStrategy.java

* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/HandlerContextAware.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/IdleConnectionReaper.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/SystemPropertiesCredentialsProvider.java
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jar/com/amazonaws/regions/MetadataSupportedRegionFromEndpointProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/RegionFromEndpointResolverAwareSigner.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
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/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ContainerCredentialsFetcher.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/TokenBucket.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/ConnectionUtils.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/AWSSessionCredentials.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/BasicSessionCredentials.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/RequestClientOptions.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/ProviderNameAware.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/ServiceClientHolderInputStream.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/ClassLoaderHelper.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/transform/AbstractErrorUnmarshaller.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/AwsErrorResponseHandler.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/OperationInfo.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/Protocol.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/EmptyBodyJsonMarshaller.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/OrRetryCondition.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/presign/PresignerFacade.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/AwsSystemPropertyRegionProvider.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/ClientExecutionParams.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/RetryPolicyContext.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/MaxNumberOfRetriesCondition.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/DefaultMarshallingType.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/AwsAsyncClientParams.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SdkBaseException.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/profile/path/cred/CredentialsEnvVarOverrideLocationProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/StaticSignerProvider.java

*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonMarshallers.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/ProtocolRequestMarshaller.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/V2CompatibleBackoffStrategyAdapter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/TimingInfo.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/SimpleTypePathMarshallers.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/AwsProfileRegionProvider.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/BasicProfile.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/HeaderMarshallers.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/AmazonWebServiceResult.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/request/HttpRequestFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/TimingInfoFullSupport.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/builder/AwsClientBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/RetryPolicyAdapter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/XMLWriter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/V2CompatibleBackoffStrategy.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/AWSStaticCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/SdkClock.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/EndpointToRegion.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/DefaultValueSupplier.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/JsonMarshallerContext.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/transform/MapUnmarshaller.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/builder/AwsSyncClientBuilder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/BackoffStrategy.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/SimpleRetryPolicy.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/ClientHandler.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/retry/v2/RetryCondition.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/transform/ListUnmarshaller.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/StaticCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/ProfileAssumeRoleCredentialsProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/client/ClientHandlerImpl.java

*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/SdkClientException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/client/SdkInterruptedException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/SdkHttpMetadata.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/StructuredPojo.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/transform/UnknownMemberJsonUnmarshaller.java
* /aws-java-sdk-core-1-12-783-sources-
jar/com/amazonaws/endpoints/internal/AccountIdEndpointModeResolver.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/CredentialsProviderNameMapping.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/PropertyNamingStrategyUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/HostnameValidator.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/config/Builder.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/Protocol.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/config/JsonIndex.java
*
 /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/ImmutableMapParameter.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/SignerAsRequestSigner.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/RequestSigner.java
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* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/conn/ssl/ShouldClearSslSessionPredicate.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/timers/package-info.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactory.java
*
/aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/apache/client/impl/ConnectionManagerAwareHttpClient.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/FakeIOException.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/apache/client/impl/SdkHttpClient.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/log/InternalLogFactory.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/CapacityManager.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/util/IdempotentUtils.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/handlers/IRequestHandler2.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/internal/DateTimeJsonSerializer.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/auth/CanHandleNullCredentials.java
* /aws-java-sdk-core-1-12-783-sources-jar/com/amazonaws/http/apache/client/impl/ApacheConnectionManagerFactory.java

1.514 jmespath-java 1.12.783

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* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/CamelCaseUtils.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathFunction.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpGreaterThan.java

*
/jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathIdentity.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/ObjectMapperSingleton.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpNotEquals.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathProjection.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathVisitor.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathField.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathSubExpression.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathFlatten.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/InvalidTypeException.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpLessThan.java
*
/jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathExpression.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathContainsFunction.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathLiteral.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathValueProjection.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/OpEquals.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathAndExpression.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/Comparator.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathFilter.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathNotExpression.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/NumericComparator.java
* /jmespath-java-1-12-783-sources-jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java
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* /jmespath-java-1-12-783-sources-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.515 aws-java-sdk-s3 1.12.783

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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SSEAlgorithm.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/ProgressStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/StatsStaxUnmarshaller.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/GetPublicAccessBlockStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/S3KeyFilter.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/CompleteMultipartUploadRetryablePredicate.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/LambdaConfigurationStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/NotificationConfigurationStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/exception/FileLockException.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ReplicationRuleStatus.java
* /aws-java-sdk-s3-1-12-783-sources-

jar/com/amazonaws/services/s3/model/GetBucketReplicationConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/BucketNotificationConfigurationStaxUnmarshaller.java
*
/aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/TopicConfigurationStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/SetBucketAccelerateConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/QueueConfigurationStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/GetBucketEncryptionStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AbstractAmazonS3.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/request/S3HandlerContextKeys.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AbstractAmazonS3EncryptionV2.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketAccelerateConfiguration.java
*
/aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/CompleteMultipartUploadRetryCondition.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Filter.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetS3AccountOwnerRequest.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/GetBucketPolicyStatusStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/ServerSideEncryptionRuleStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/FilterStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ReplicationRule.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/ServerSideEncryptionByDefaultStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EventBridgeConfiguration.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectAclRequest.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/HeadBucketResultHandler.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/S3KeyFilterStaxUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/GetBucketNotificationConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/HeadBucketResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketReplicationConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketReplicationConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ReplicationDestinationConfig.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/FilterRule.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/FilterRuleStaxUnmarshaller.java
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/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/TransferCompletionFilter.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketInventoryConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/analytics/AnalyticsPrefixPredicate.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListBucketInventoryConfigurationsResult.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/lifecycle/LifecycleNAryOperator.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketAnalyticsConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketOwnershipControlsResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/CompleteMultipartDownload.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/inventory/InventoryDestination.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketInventoryConfigurationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/analytics/AnalyticsS3BucketDestination.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/OwnerOverride.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/replication/ReplicationFilter.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/metrics/MetricsPredicateVisitor.java
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jar/com/amazonaws/services/s3/model/analytics/StorageClassAnalysisSchemaVersion.java
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* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/metrics/MetricsPrefixPredicate.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/lifecycle/LifecycleFilterPredicate.java
* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/metrics/MetricsFilterPredicate.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/AccessControlTranslation.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketMetricsConfigurationRequest.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/analytics/AnalyticsConfiguration.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/KeyWrapException.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/MultiFileOutputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SSEAwsKeyManagementParams.java
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/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EncryptedPutObjectRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3Direct.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/S3Event.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/NotificationConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EncryptionMaterialsFactory.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3DirectSpi.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/InstructionFileId.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EncryptedGetObjectRequest.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/QueueConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CloudFunctionConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ExtraMaterialsDescription.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3URI.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SimpleMaterialProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PutInstructionFileRequest.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/UploadObjectObserver.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/KMSEncryptionMaterialsProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/auth/ChunkContentIterator.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/PartCreationEvent.java
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* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/MultipleFileTransferProgressUpdatingListener.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PutObjectRequest.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/MaterialsDescriptionProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SSECustomerKeyProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/OnFileDelete.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/MultipleFileTransferStateChangeListener.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/UploadObjectRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/FileDeletionEvent.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetObjectTaggingResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketAccelerateStatus.java
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* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3VersionResult.java
* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/MultiObjectDeleteException.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CORSRule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketCrossOriginConfiguration.java

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/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/DeleteObjectsResponse.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ResponseHeaderHandlerChain.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CopyPartResult.java
* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ResponseHeaderOverrides.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/CopyMonitor.java
* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CopyPartRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ServerSideEncryptionResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketLifecycleConfiguration.java
*
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/TransferMonitor.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ObjectExpirationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteObjectsResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ObjectRestoreResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/HeaderHandler.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/Upload.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListMultipartUploadsRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/CopyPartRequestFactory.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/LegacyS3ProgressListener.java
* /aws-java-sdk-s3-1-12-783-sources-
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/MetadataEntry.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/S3ClientOptions.java
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 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ScanRange.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/future/CompletedFuture.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapAlgorithmResolver.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapperProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/CipherProvider.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/Mgf1Scheme.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/KMSMaterialsHandler.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/RsaOaepKeyWrapperProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/future/FutureImpl.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapper.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/AesGcmKeyWrapperProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/KMSKeyWrapperProvider.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/future/DelegatingFuture.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/AesGcmKeyWrapper.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/keywrap/KeyWrapperContext.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/WriteGetObjectResponseRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/EventBridgeConfigurationStaxUnmarshaller.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/WriteGetObjectResponseResult.java
* /aws-java-sdk-s3-1-12-783-sources-

jar/com/amazonaws/services/s3/internal/S3ObjectLambdaEndpointBuilder.java
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* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/SelectObjectContentEventException.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/AbstractDownloadCallable.java
*
 /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/ObjectLockLegalHoldXmlFactory.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/ObjectLockRetentionXmlFactory.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/GetObjectLockConfigurationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockRetentionMode.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockRule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/XmlWriterUtils.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockMode.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockEnabled.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/SetObjectLockConfigurationResult.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DefaultRetention.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/ObjectLockConfigurationXmlFactory.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectLegalHoldRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockLegalHold.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEventStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Stats.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetObjectLegalHoldRequest.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockLegalHoldStatus.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/JSONInput.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PresignedUrlUploadResult.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PresignedUrlDownloadRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetObjectLegalHoldResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectLockRetention.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetObjectRetentionRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PresignedUrlDownloadResult.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/GetObjectLockConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/PresignedUrlDownloadConfig.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CompressionType.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ParquetInput.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectRetentionResult.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/JSONType.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectRecordsInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEventVisitor.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/AbortableTransfer.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Progress.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEvent.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/JSONOutput.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/UploadObjectStrategy.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentRequest.java
*
/aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/PresignUrlDownloadCallable.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectRetentionRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/PresignedUrlDownload.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetObjectRetentionResult.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/PresignedUrlDownloadImpl.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/transform/SelectObjectContentEventUnmarshaller.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/RequestProgress.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/AbstractDownloadCallableConfig.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/MessageDecoder.java
*
/aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/SetObjectLockConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetObjectLegalHoldResult.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteMarkerReplicationStatus.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionByDefault.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EncryptionConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketEncryptionResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SourceSelectionCriteria.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ExistingObjectReplicationStatus.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/inventory/InventoryEncryption.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionKMS.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketEncryptionRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionResult.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ServerSideEncryptionRule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionS3.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ReplicaModificationsStatus.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ReplicaModifications.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjects.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteMarkerReplication.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjectsStatus.java
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*/
// The Amazon S3 DevPay token header is a special exception and can be safely moved

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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2Params.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/KeyFilter.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClientBuilder.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2ParamsWrapper.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClientParams.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleAE.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleAEStrict.java
*
 /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/keywrap/InternalKeyWrapAlgorithm.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/exception/PauseException.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionV2.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/S3ProgressListenerChain.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/AesGcm.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/S3ProgressPublisher.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/GCMCipherLite.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/ContentCryptoScheme.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3KeyWrapScheme.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleBase.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/AesCtr.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleAE.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/CipherLite.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/PauseStatus.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClient.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/S3ProgressListener.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/ContentCryptoMaterial.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CryptoMode.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleEO.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/AWSS3V4Signer.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/v2/MultipartUploadCryptoContext.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3Encryption.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/CryptoModuleDispatcher.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/PersistableTransfer.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModuleBase.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/S3CryptoModule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/PersistableDownload.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/internal/crypto/v1/MultipartUploadCbcContext.java

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/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/CipherLiteInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/MultipartUploadCryptoContext.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3EncryptionClientV2.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3CryptoModuleAEStrict.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/CryptoRuntime.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/S3ObjectWrapper.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/AesCbc.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/DigestValidationInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/PersistableUpload.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/ContentCryptoMaterial.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/S3ObjectWrapper.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/RenewableCipherLiteInputStream.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/SkipMd5CheckStrategy.java
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jar/com/amazonaws/services/s3/transfer/internal/MultipleFileDownloadImpl.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/MultipleFileUploadImpl.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/AbstractTransfer.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/TransferStateChangeListener.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/S3ObjectInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/MultipleFileDownload.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransferMonitor.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/MultipleFileTransfer.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/internal/DownloadMonitor.java
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*/
/**
* Synchronous client for accessing Amazon S3.
*
* <h1>Appendix: Amazon S3 client-side encryption meta information</h1>
*
* <h2>Introduction</h2>
* <p>
* This appendix summarizes the current crypto related meta information
* associated with an S3 object encrypted using SDK client-side encryption. In
* SDK's terminology, these meta
 information are classified as "user metatdata".
* In general, the meta information is just a map of key/value pairs. Physically
* they are persisted either as metadata of the encrypted S3 object, or as a
* separate S3 object called an "instruction file" (which is just a JSON file in
* plaintext.)  For all references to the Cipher Algorithm Names, Modes, and Padding,
* such as <code>"AES/GCM/NoPadding"</code>, please refer to Oracle's <a
* href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html"
* >Java&amp;trade; Cryptography Architecture Standard Algorithm Name Documentation</a>
* for more details.
*
* <h2>S3 metadata vs instruction file</h2>
* <p>
* Note when a key/value pair is stored as "user metadata" as part of the S3
* metadata, the SDK always adds an additional prefix of <b>x-amz-meta-</b> to
* the key name. In contrast, the SDK doesn't add any prefix when the key names
* are stored in an instruction file. (The reason has to do with
 how the http
* headers are handled.)
* <p>
* For example, <b>x-amz-key</b> would get stored as <b>x-amz-meta-x-amz-key</b>
* in S3 metadata. In contrast, <b>x-amz-key</b> would simply be stored as is
* (ie without the prefix) in an instruction file. All the keys described below
* are considered "user metadata" by the SDK.
*
* <h2>S3 1st gen crypto meta information</h2>
* <p>
```

* For non-KMS client side encryption, this crypto meta information is used
* to support the "Encryption Only" crypto mode (which involves the use of
* <code>AES/CBC/PKCS5Padding</code> for content encryption, and
* <code>AES/ECB</code> for encrypting the one-time randomly generated data
* key). For KMS client-side encryption, the 2nd gen crypto meta information is used.
* <h3>Scope</h3>
* This metadata can only be generated when encrypting using the V1 encryption client,
* {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, but can be interpreted (decrypted) by
* {@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}.
 * The format is also known as v1 metadata, but because there are now v1 and v2 clients,
* the term v1 metadata is confusing.
* <p>
* Encryption: {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode
EncryptionOnly
* Decryption: {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto mode
EncryptionOnly or
* {@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}, crypto mode AuthenticationOnly
* <p>
* <h3>Metadata</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200">x-amz-key</td>
* <td>Content encrypting key (cek) in encrypted form, base64 encoded. The cek
* is randomly generated per S3 object, and is always an AES 256-bit key. The
* corresponding cipher is always "AES/CBC/PKCS5Padding".</td>
* </tr>
* <tr>
* <td>x-amz-iv</td>
* <td>Randomly generated IV (per S3 object), base64 encoded</td>
* </tr>
 * <tr>
* <td>x-amz-matdesc </td>
* <td>Customer provided material description in JSON (UTF8) format. Used to
* identify the client-side master key (ie used to encrypt/wrap the generated
* content encrypting key).</td>
* </tr>
* <tr>
* <td>x-amz-unencrypted-content-length</td>
* <td>Unencrypted content length (optional but should be specified whenever
* possible).</td>
* </tr>
* </table>
* <p>
* <h2>S3 2nd gen crypto meta information</h2>

```
* <p>
* This crypto meta information is used to support both authenticated
* encryption (which involves the use of <code>AES/GCM/NoPadding</code> for
* content encryption, and key wrapping for the one-time randomly generated data
* key), and KMS client-side encryption (which can either be encryption-only or
* authenticated encryption).
* <h3>Scope</h3>
* 2nd gen metadata can be generated/encrypted by both the V1 and V2 encryption clients.
* The format is also known as v2 metadata, but this is confusing since the
 V1 client also generates
* 2nd gen metadata in the AuthenticatedEncryption and StrictAuthenticatedEncryption modes.
* <p>
* <b>Encryption:</b> {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}/
* {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, crypto modes AuthenticatedEncryption and
* StrictAuthenticatedEncryption<br>
* <b>Decryption:</b> {@link com.amazonaws.services.s3.AmazonS3EncryptionClient}, all crypto modes, or
* {@link com.amazonaws.services.s3.AmazonS3EncryptionClientV2}, crypto modes AuthenticatedEncryption and
* StrictAuthenticatedEncryption.
* <p>
* <b>Note:</b>
* While the V1 client can both generate and interpret 2nd gen metadata, it cannot decrypt any object encrypted
* using the V2 client, because the values of <b>x-amz-wrap-alg</b> differ.
* <p>
* <h3>Metadata used the same way by V1 and V2 clients</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200"><b>x-amz-key-v2</b></td>
 * <td>CEK in key wrapped form. This is necessary so that the S3 encryption
* client that doesn't recognize the v2 format will not mistakenly decrypt S3
* object encrypted in v2 format.</td>
* </tr>
* <tr>
* <td><b>x-amz-iv</b></td>
* <td>Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)</td>
* </tr>
* <td><b>x-amz-unencrypted-content-length</b></td>
* <td>Unencrypted content length. (optional but should be specified whenever
* possible. Same as v1.)</td>
* </tr>
* <tr>
* <td><b>x-amz-tag-len</b></td>
* <td>Tag length (in bits) when AEAD is in use.
* <ul>
* <li>Only applicable if AEAD is in use. This meta information is absent
```

* otherwise, or if KMS is in use.
* Supported value: <code>"128"</code>
*
* </td>
* </tr>
* </table>
* <h3>Metadata using V1 client</h3>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <td>x-amz-matdesc</td>
* <td>Customer provided material
description in JSON format. (Same as v1). Used
* to identify the client-side master key.
*
* For KMS client side encryption, the KMS Customer Master Key ID is stored
* as part of the material description, x-amz-matdesc, under the key-name
* <code>"kms_cmk_id"</code>.
*
* </td>
* </tr>
* <tr>
* <td>x-amz-wrap-alg</td>
* <td>Key wrapping algorithm used.
*
* Supported values:
* <code>"AESWrap", "RSA/ECB/OAEPWithSHA-256AndMGF1Padding", "kms"</code>
* No standard key wrapping is used if this meta information is absent
* Always set to "kms" if KMS is used for client-side encryption
*
* </td>
* </tr>
* <tr>
* <td>x-amz-cek-alg</td>
* <td>Content encryption algorithm used.
*
* Supported values:
* <code>"AES/GCM/NoPadding", "AES/CBC/PKCS5Padding"</code>
* Default to <code>"AES/CBC/PKCS5Padding"</code> if this key is absent.
*
* </td>
* </tr>
* </table>
* <h3>Metadata using V2 client</h3>
* <table border=1>
* <tr aligned="left">

* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td>x-amz-matdesc</td>
* <td>Customer provided material description in JSON format. (Same as v1). For KMS client side encryption,
* the cek algorithm is stored as part of the material description under the key-name <code>aws:x-amz-cek-alg</code>.
* </td>
* </tr>
* <tr>
* <td>x-amz-wrap-alg</td>
* <td>Key wrapping algorithm used.
*
* Supported values:
* <code>"AES/GCM/NoPadding" (symmetric default), "RSA-OAEP-SHA1", "RSA-OAEP-SHA1" (asymmetric default), "kms"</code>
*
* No standard key wrapping is used if this meta information is absent
* Always set to "kms" if KMS is used for client-side encryption
*
* </td>
* </tr>
* <tr>
* <td>x-amz-cek-alg</td>
* <td>Content encryption algorithm used. Supported values: <code>"AES/GCM/NoPadding"</code>
* </td>
* </tr>
*
</table>
* <p>
* <h3>KMS Integration for client-side encryption</h3>
*
* All client-side KMS protected S3 objects are stored in v2 crypto meta information
* format. However, the key wrapping algorithm, x-amz-wrap-alg is always
* set to "kms".
* For V1 clients, the KMS Customer Master Key ID is currently stored as part of the
* material description, x-amz-matdesc, under the key-name
* "kms_cmk_id".
* For V2 clients, the KMS Customer Master Key ID is not stored as part of the
* material description and must be supplied by the decrypting client.
*
* <p>
* <h4>Sample S3 crypto meta information for KMS client-side encryption</h4>
* <p>
* <h5>V1 client, CryptoMode: EncryptionOnly</h5>
*
* <pre>

* x-amz-meta-x-amz-key-v2:
*
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUj
BLJRua8N6RCPifIAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCWCGSAFl
AwQBLjARBAyD0rzN3KHViWixDVcCARCAOwhZ6xA8rob3Z0mNx3uKFieHKVyIC/PKlchALvG1oVLnf86m
cZJNpTXtwMkKkDocVj3Z1zGjZTufFsOH
 * x-amz-iv: xqOHh+M6y0UogwG5SHJM3Q==
* x-amz-unencrypted-content-length: 32768
* x-amz-cek-alg: AES/CBC/PKCS5Padding
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
* </pre>
*
* <h5>V1 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>
*
* <pre>
* x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUj
BLJRua8N6RCPifIAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCWCGSAFl
AwQBLjARBAytFVyW4I6QmwcPK1ECARCAO1VzoM6KxA9DHyNMm/BEbbjle2vLA7IY7f9OkUoSqrdxgKxp
NID9QaL/7928m1Djtld0bJpHefjm89C
* x-amz-iv: VZBksyij6DhrUMye
* x-amz-unencrypted-content-length: 32768
* x-amz-cek-alg: AES/GCM/NoPadding
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
* x-amz-tag-len: 128
* </pre>
*
* <h5>V2 client, CryptoMode: AuthenticatedEncryption/StrictAuthenticatedEncryption</h5>
 *
* <pre>
* x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMEslG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7eIs7o8KGpQtmHTUTUj
BLJRua8N6RCPifIAAAB+MHwGCSqGSIb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCWCGSAFl
AwQBLjARBAytFVyW4I6QmwcPK1ECARCAO1VzoM6KxA9DHyNMm/BEbbjle2vLA7IY7f9OkUoSqrdxgKxp
NID9QaL/7928m1Djtld0bJpHefjm89C
* x-amz-iv: VZBksyij6DhrUMye
* x-amz-unencrypted-content-length: 32768
* x-amz-cek-alg: AES/GCM/NoPadding
* x-amz-wrap-alg: kms
* x-amz-matdesc: {"aws:x-amz-cek-alg":"AES/GCM/NoPadding"}
* x-amz-tag-len: 128
* </pre>
*
* <h2>S3 metadata of an instruction file</h2>
* <p>
* The following key is always included as part of the S3 metadata of the

* instruction file (which is just an S3 object). Since the SDK treats this key
* as "user metadata", the key name is always prefixed with x-amz-meta-
* when physically stored.
* <p>
* <table border=1>
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td
 width="200">x-amz-crypto-instr-file</td>
* <td>the presence of this key is used to indicate this S3 object is an
* instruction file (of an associated client-side encrypted S3 object).</td>
* </tr>
* </table>
*/

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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketLifecycleConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketCrossOriginConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketLoggingConfigurationRequest.java
*

/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketReplicationConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/FileLocks.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/DownloadTaskImpl.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/DownloadCallable.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListNextBatchOfVersionsRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketTaggingConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketAccelerateConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListNextBatchOfObjectsRequest.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketCrossOriginConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketLoggingConfigurationRequest.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/S3VersionSummary.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/S3ObjectSummary.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketLifecycleConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteVersionRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Permission.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketVersioningConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketTaggingConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-

jar/com/amazonaws/services/s3/model/SetBucketVersioningConfigurationRequest.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GroupGrantee.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ObjectListing.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/EndpointParams.java
* /aws-java-sdk-s3-1-12-783-sources-
jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringStatus.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/XmlIntelligentTieringPredicateVisitor.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/S3ArnUtils.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3OutpostAccessPointBuilder.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/transform/BucketConfigurationXmlFactory.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringAccessTier.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListBucketsPaginatedRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/IntermediateOutpostResource.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/OutpostResourceType.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListBucketsPaginatedResult.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketLifecycleConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketCrossOriginConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketAclRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/ByteRangeCapturingInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketWebsiteConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v1/MultipartUploadContext.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/TransferManagerParams.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketWebsiteConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3ClientParamsWrapper.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListObjectsV2Result.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3ClientConfigurationFactory.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketPolicyRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketTaggingConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/RedirectRule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListObjectsV2Request.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Tier.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ListPartsHeaderHandler.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketPolicyRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/RoutingRule.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketWebsiteConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/RoutingRuleCondition.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3ClientParams.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketAclRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/AmazonS3Builder.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketLocationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3AbortableInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GlacierJobParameters.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/transfer/TransferManagerBuilder.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/InitiateMultipartUploadHeaderHandler.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketWebsiteConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketPolicyRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/crypto/v2/MultipartUploadContext.java

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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringFilterPredicate.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringNAryOperator.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CryptoRangeGetMode.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringPredicateVisitor.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/Tiering.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/ListBucketIntelligentTieringConfigurationsRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketIntelligentTieringConfigurationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketIntelligentTieringConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringAndOperator.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringFilter.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketIntelligentTieringConfigurationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/DeleteBucketIntelligentTieringConfigurationRequest.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringTagPredicate.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/GetBucketIntelligentTieringConfigurationResult.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/intelligenttiering/IntelligentTieringPrefixPredicate.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/SetBucketIntelligentTieringConfigurationRequest.java
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/**
```

```
    * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
    * sorted list of all versions in the specified bucket to begin returning
    * results. Results are always ordered first lexicographically (i.e.
    * alphabetically) and then from most recent version to least recent
    * version.
    * <p>

    * A key marker must be specified when specifying a <code>versionIdMarker</code>.
    * Results begin immediately after the version with the specified key and
    * version ID.
    * </p>
    *
    * @return The optional <code>versionIdMarker</code> parameter indicating where in the
    *         sorted list of all versions in the specified bucket to begin
    *         returning results.
    *
    * @see ListVersionsRequest#setVersionIdMarker(String)
    * @see ListVersionsRequest#withVersionIdMarker(String)
    */
```

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*/
/**
* Interface for providing encryption materials.
* Implementations are free to use any strategy for providing encryption
* materials, such as simply providing static material that doesn't change,
* or more complicated implementations, such as integrating with existing
* key management systems.
*/
```

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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Grant.java
*
 /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketTaggingConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/EmailAddressGrantee.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/ServiceUtils.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/TagSet.java
* /aws-java-sdk-s3-1-12-783-sources-

jar/com/amazonaws/services/s3/model/transform/XmlResponsesSaxParser.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/CanonicalGrantee.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/RepeatableFileInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/RepeatableInputStream.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketPolicy.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/Mimetypes.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Owner.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketNotificationConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Grantee.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/S3StringResponseHandler.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/RestUtils.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/BucketLoggingConfiguration.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/model/Bucket.java
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* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Prelude.java

* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderValue.java
*
/aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Checksums.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Utils.java
* /aws-java-sdk-s3-1-12-783-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Message.java

1.516 python-pip 25.1.1

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A. HISTORY OF THE SOFTWARE
==========

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

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

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

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes

2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

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

is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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Python was created in the early 1990s by Guido van Rossum at Stichting

Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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All
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.521 aspect-j 1.9.24

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1.522 lombok 1.18.38

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1.523 golang-genproto 0.0.0-20230410155749-daa745c078e1

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1.524 opentelemetry-sdk-common 1.49.0

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* /opentelemetry-sdk-common-1-49-0-sources-jar/META-INF/versions/9/io/opentelemetry/sdk/internal/Java9VersionSpecific.java
* /opentelemetry-sdk-common-1-49-0-sources-jar/io/opentelemetry/sdk/internal/JavaVersionSpecific.java
* /opentelemetry-sdk-common-1-49-0-sources-jar/io/opentelemetry/sdk/internal/CurrentJavaVersionSpecific.java

1.525 opentelemetry-sdk-extension-autoconfigure-spi 1.49.0

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1.531 ncurses 6.5_p20250503-r0

1.531.1 Available under license :

```
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
```

```
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef  __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS
```

```
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct)     fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
```

```
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
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*/

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y)      \
 ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) ||   \
  (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
 data structure.  Every operation
* on the tree causes a splay to happen.  The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree.  On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as O((m + n)lg n).  The
* amortized cost for a sequence of m accesses to a splay tree is O(lg n);
*
```

```
* A red-black tree is a binary search tree with the node color as an
* extra attribute.  It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as O(lg n).
* The maximum height of a red-black tree is 2lg (n+1).
 */

#define SPLAY_HEAD(name, type)      \
struct name {       \
 struct type *sph_root; /* root of the tree */   \
}

#define SPLAY_INITIALIZER(root)     \
 { NULL }

#define SPLAY_INIT(root) do {      \
 (root)->sph_root = NULL;     \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type)      \
struct {       \
 struct type *spe_left; /* left element */   \
 struct type *spe_right; /* right element */   \
}

#define SPLAY_LEFT(elm, field)  (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field)  (elm)->field.spe_right
#define SPLAY_ROOT(head)  (head)->sph_root
#define SPLAY_EMPTY(head)  (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do {   \
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do {   \
 SPLAY_RIGHT((head)->sph_root,
 field) = SPLAY_LEFT(tmp, field); \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)
```

```
#define SPLAY_LINKLEFT(head, tmp, field) do {    \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);  \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do {    \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do {  \
 SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
 SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field);\
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
 SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
 SPLAY_PROTOTYPE(name, type, field, cmp)    \
void name##_SPLAY(struct name *, struct type *);   \
void name##_SPLAY_MINMAX(struct name *, int);    \
struct type *name##_SPLAY_INSERT(struct name *, struct type *);  \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *);  \
        \
/* Finds the node with the same key as elm */    \
static __inline struct type *      \
name##_SPLAY_FIND(struct name *head, struct type *elm)   \
{        \
 if (SPLAY_EMPTY(head))      \
  return(NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0)    \
  return (head->sph_root);    \
 return (NULL);       \
}        \
        \
static __inline _sys_tree_h_unused struct type *   \
name##_SPLAY_NEXT(struct name *head, struct type *elm)   \
{        \
 name##_SPLAY(head, elm);     \
 if (SPLAY_RIGHT(elm, field) != NULL) {    \
  elm = SPLAY_RIGHT(elm, field);    \
  while (SPLAY_LEFT(elm, field) != NULL) {  \
   elm = SPLAY_LEFT(elm, field);   \
```

```
 }      \
 }
 else       \
  elm = NULL;      \
 return (elm);      \
}       \
       \
static _sys_tree_h_unused __inline struct type *   \
name##_SPLAY_MIN_MAX(struct name *head, int val)   \
{       \
 name##_SPLAY_MINMAX(head, val);     \
      return (SPLAY_ROOT(head));     \
}

/* Main splay operation.
* Moves node close to the key of elm to top
*/
#define SPLAY_GENERATE(name, type, field, cmp)    \
struct type *       \
name##_SPLAY_INSERT(struct name *head, struct type *elm)  \
{       \
  if (SPLAY_EMPTY(head)) {      \
    SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
  } else {       \
    int __comp;      \
    name##_SPLAY(head, elm);     \
    __comp = (cmp)(elm, (head)->sph_root);   \
    if(__comp < 0) {      \
     SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
     SPLAY_RIGHT(elm, field) = (head)->sph_root;  \
     SPLAY_LEFT((head)->sph_root, field) = NULL;  \
    } else if (__comp > 0) {     \
     SPLAY_RIGHT(elm,
 field) = SPLAY_RIGHT((head)->sph_root, field);\
     SPLAY_LEFT(elm, field) = (head)->sph_root;  \
     SPLAY_RIGHT((head)->sph_root, field) = NULL; \
    } else      \
     return ((head)->sph_root);    \
  }       \
  (head)->sph_root = (elm);      \
  return (NULL);       \
}       \
       \
struct type *       \
name##_SPLAY_REMOVE(struct name *head, struct type *elm)  \
{       \
 struct type *__tmp;      \
 if (SPLAY_EMPTY(head))      \
```

```
 return (NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0) {   \
  if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
   (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
  } else {      \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
   name##_SPLAY(head, elm);   \
   SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
  }       \
  return (elm);      \
 }        \
 return (NULL);       \
}         \
        \
void         \
name##_SPLAY(struct
 name *head, struct type *elm)   \
{         \
 struct type __node, *__left, *__right, *__tmp;   \
 int __comp;       \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) {  \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) < 0){   \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) > 0){   \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
```

```
 }       \
 SPLAY_ASSEMBLE(head,
 &__node, __left, __right, field);  \
}        \
        \
/* Splay with either the minimum or the maximum element   \
* Used to find minimum or maximum element in tree.   \
*/        \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{        \
 struct type __node, *__left, *__right, *__tmp;   \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while (1) {       \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp < 0){    \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp > 0) {    \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root,
 field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
 }       \
 SPLAY_ASSEMBLE(head, &__node, __left, __right, field);  \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y)  name##_SPLAY_FIND(x, y)
```

```
#define SPLAY_NEXT(name, x, y)  name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head)    \
 for ((x) = SPLAY_MIN(name, head);   \
     (x) != NULL;     \
     (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type)     \
struct name {       \
 struct type *rbh_root; /* root of the tree */   \
}

#define RB_INITIALIZER(root)     \
 {
 NULL }

#define RB_INIT(root) do {      \
 (root)->rbh_root = NULL;    \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED  1
#define RB_ENTRY(type)      \
struct {       \
 struct type *rbe_left;  /* left element */  \
 struct type *rbe_right;  /* right element */  \
 struct type *rbe_parent; /* parent element */  \
 int rbe_color;   /* node color */  \
}

#define RB_LEFT(elm, field)  (elm)->field.rbe_left
#define RB_RIGHT(elm, field)  (elm)->field.rbe_right
#define RB_PARENT(elm, field)  (elm)->field.rbe_parent
#define RB_COLOR(elm, field)  (elm)->field.rbe_color
#define RB_ROOT(head)   (head)->rbh_root
#define RB_EMPTY(head)   (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do {     \
 RB_PARENT(elm, field) = parent;     \
 RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL;  \
 RB_COLOR(elm, field) = RB_RED;     \
} while (/*CONSTCOND*/ 0)
```

```
#define RB_SET_BLACKRED(black, red, field) do {    \
 RB_COLOR(black, field) = RB_BLACK;    \
 RB_COLOR(red, field)
 = RB_RED;     \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do {   \
 (tmp) = RB_RIGHT(elm, field);     \
 if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
  RB_PARENT(RB_LEFT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_LEFT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do {   \
 (tmp) = RB_LEFT(elm, field);     \
 if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field))
 != NULL) { \
  RB_PARENT(RB_RIGHT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_RIGHT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
```

```
 RB_AUGMENT(RB_PARENT(tmp, field));  \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp)    \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp)   \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr)  \
attr void name##_RB_INSERT_COLOR(struct name *, struct
 type *);  \
attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
attr struct type *name##_RB_INSERT(struct name *, struct type *); \
attr struct type *name##_RB_FIND(struct name *, struct type *);  \
attr struct type *name##_RB_NFIND(struct name *, struct type *); \
attr struct type *name##_RB_NEXT(struct type *);   \
attr struct type *name##_RB_PREV(struct type *);   \
attr struct type *name##_RB_MINMAX(struct name *, int);   \
        \

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp)    \
 RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp)   \
 RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr)  \
attr void       \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm)  \
{       \
 struct type
 *parent, *gparent, *tmp;    \
 while ((parent = RB_PARENT(elm, field)) != NULL &&  \
     RB_COLOR(parent, field) == RB_RED) {   \
  gparent = RB_PARENT(parent, field);   \
  if (parent == RB_LEFT(gparent, field)) {  \
   tmp = RB_RIGHT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_RIGHT(parent, field) == elm) {  \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = parent;    \
```

```
   parent = elm;    \
   elm = tmp;    \
  }      \
  RB_SET_BLACKRED(parent, gparent, field); \
  RB_ROTATE_RIGHT(head, gparent, tmp, field); \
 } else {      \
  tmp = RB_LEFT(gparent, field);   \
  if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
   RB_COLOR(tmp, field) = RB_BLACK; \
   RB_SET_BLACKRED(parent, gparent, field);\
   elm = gparent;    \
   continue;    \
  }      \
  if (RB_LEFT(parent, field) == elm)
 {  \
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   tmp = parent;    \
   parent = elm;    \
   elm = tmp;    \
  }      \
  RB_SET_BLACKRED(parent, gparent, field); \
  RB_ROTATE_LEFT(head, gparent, tmp, field); \
 }       \
 }       \
 RB_COLOR(head->rbh_root, field) = RB_BLACK;   \
}        \
        \
attr void        \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{        \
 struct type *tmp;      \
 while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
     elm != RB_ROOT(head)) {     \
  if (RB_LEFT(parent, field) == elm) {    \
  tmp = RB_RIGHT(parent, field);   \
  if (RB_COLOR(tmp, field) == RB_RED) {  \
   RB_SET_BLACKRED(tmp, parent, field); \
   RB_ROTATE_LEFT(head, parent, tmp, field);\
   tmp = RB_RIGHT(parent, field);  \
  }      \
  if ((RB_LEFT(tmp, field) == NULL ||  \
      RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
      (RB_RIGHT(tmp, field) == NULL ||  \
      RB_COLOR(RB_RIGHT(tmp,
 field), field) == RB_BLACK)) {\
   RB_COLOR(tmp, field) = RB_RED;  \
   elm = parent;    \
   parent = RB_PARENT(elm, field);  \
```

```
 } else {     \
  if (RB_RIGHT(tmp, field) == NULL || \
      RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
   struct type *oleft;  \
   if ((oleft = RB_LEFT(tmp, field)) \
       != NULL)   \
    RB_COLOR(oleft, field) = RB_BLACK;\
   RB_COLOR(tmp, field) = RB_RED; \
   RB_ROTATE_RIGHT(head, tmp, oleft, field);\
   tmp = RB_RIGHT(parent, field); \
  }     \
  RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
  RB_COLOR(parent, field) = RB_BLACK; \
  if (RB_RIGHT(tmp, field))  \
   RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
  RB_ROTATE_LEFT(head, parent, tmp, field);\
  elm = RB_ROOT(head);   \
  break;     \
 }      \
} else {      \
 tmp = RB_LEFT(parent, field);   \
 if (RB_COLOR(tmp, field) == RB_RED) {  \
  RB_SET_BLACKRED(tmp, parent, field); \
  RB_ROTATE_RIGHT(head, parent, tmp, field);\
  tmp
= RB_LEFT(parent, field);  \
 }      \
 if ((RB_LEFT(tmp, field) == NULL ||  \
     RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
     (RB_RIGHT(tmp, field) == NULL ||  \
     RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
  RB_COLOR(tmp, field) = RB_RED;  \
  elm = parent;    \
  parent = RB_PARENT(elm, field);  \
 } else {     \
  if (RB_LEFT(tmp, field) == NULL || \
      RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
   struct type *oright;  \
   if ((oright = RB_RIGHT(tmp, field)) \
       != NULL)   \
    RB_COLOR(oright, field) = RB_BLACK;\
   RB_COLOR(tmp, field) = RB_RED; \
   RB_ROTATE_LEFT(head, tmp, oright, field);\
   tmp = RB_LEFT(parent, field); \
  }     \
  RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
  RB_COLOR(parent, field) = RB_BLACK; \
  if (RB_LEFT(tmp, field))  \
```

```
    RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   elm = RB_ROOT(head);   \
   break;     \
  }      \
 }       \
}        \
if
(elm)       \
 RB_COLOR(elm, field) = RB_BLACK;   \
}        \
       \
attr struct type *       \
name##_RB_REMOVE(struct name *head, struct type *elm)   \
{        \
 struct type *child, *parent, *old = elm;   \
 int color;       \
 if (RB_LEFT(elm, field) == NULL)    \
  child = RB_RIGHT(elm, field);    \
 else if (RB_RIGHT(elm, field) == NULL)    \
  child = RB_LEFT(elm, field);    \
 else {       \
  struct type *left;     \
  elm = RB_RIGHT(elm, field);    \
  while ((left = RB_LEFT(elm, field)) != NULL)  \
   elm = left;     \
  child = RB_RIGHT(elm, field);    \
  parent = RB_PARENT(elm, field);    \
  color = RB_COLOR(elm, field);    \
  if (child)      \
   RB_PARENT(child, field) = parent;  \
  if (parent) {      \
   if (RB_LEFT(parent, field) == elm)  \
    RB_LEFT(parent, field) = child;  \
   else      \
    RB_RIGHT(parent, field) = child; \
   RB_AUGMENT(parent);    \
  } else       \
   RB_ROOT(head)
 = child;    \
  if (RB_PARENT(elm, field) == old)   \
   parent = elm;     \
  (elm)->field = (old)->field;    \
  if (RB_PARENT(old, field)) {    \
   if (RB_LEFT(RB_PARENT(old, field), field) == old)\
    RB_LEFT(RB_PARENT(old, field), field) = elm;\
   else      \
    RB_RIGHT(RB_PARENT(old, field), field) = elm;\
```

```
  RB_AUGMENT(RB_PARENT(old, field));  \
 } else       \
  RB_ROOT(head) = elm;    \
 RB_PARENT(RB_LEFT(old, field), field) = elm;  \
 if (RB_RIGHT(old, field))    \
  RB_PARENT(RB_RIGHT(old, field), field) = elm; \
 if (parent) {      \
  left = parent;     \
  do {      \
   RB_AUGMENT(left);   \
  } while ((left = RB_PARENT(left, field)) != NULL); \
 }       \
 goto color;      \
}        \
 parent = RB_PARENT(elm, field);     \
 color = RB_COLOR(elm, field);     \
 if (child)       \
  RB_PARENT(child, field) = parent;   \
 if (parent) {       \
  if (RB_LEFT(parent, field) == elm)   \
   RB_LEFT(parent, field) = child;   \
  else       \
   RB_RIGHT(parent,
 field) = child;  \
  RB_AUGMENT(parent);     \
 } else       \
  RB_ROOT(head) = child;     \
color:        \
 if (color == RB_BLACK)      \
  name##_RB_REMOVE_COLOR(head, parent, child);  \
 return (old);       \
}        \
        \
/* Inserts a node into the RB tree */     \
attr struct type *       \
name##_RB_INSERT(struct name *head, struct type *elm)   \
{        \
 struct type *tmp;      \
 struct type *parent = NULL;     \
 int comp = 0;       \
 tmp = RB_ROOT(head);      \
 while (tmp) {       \
  parent = tmp;      \
  comp = (cmp)(elm, parent);    \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
```

```
 else       \
  return (tmp);     \
 }        \
 RB_SET(elm, parent, field);     \
 if (parent != NULL) {      \
  if (comp < 0)      \
   RB_LEFT(parent, field) = elm;   \
  else       \
   RB_RIGHT(parent, field) = elm;   \
  RB_AUGMENT(parent);     \
 } else       \
  RB_ROOT(head) = elm;     \
 name##_RB_INSERT_COLOR(head,
 elm);    \
 return (NULL);       \
}        \
        \
/* Finds the node with the same key as elm */    \
attr struct type *       \
name##_RB_FIND(struct name *head, struct type *elm)   \
{        \
 struct type *tmp = RB_ROOT(head);    \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }        \
 return (NULL);       \
}        \
        \
/* Finds the first node greater than or equal to the search key */ \
attr struct type *       \
name##_RB_NFIND(struct name *head, struct type *elm)   \
{        \
 struct type *tmp = RB_ROOT(head);    \
 struct type *res = NULL;     \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0) {      \
   res = tmp;     \
   tmp = RB_LEFT(tmp, field);   \
  }       \
```

```
 else if (comp > 0)     \
  tmp =
 RB_RIGHT(tmp, field);   \
 else       \
  return (tmp);     \
 }       \
 return (res);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_NEXT(struct type *elm)     \
{        \
 if (RB_RIGHT(elm, field)) {     \
  elm = RB_RIGHT(elm, field);    \
  while (RB_LEFT(elm, field))    \
   elm = RB_LEFT(elm, field);   \
 } else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_RIGHT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_PREV(struct type *elm)     \
{        \
 if (RB_LEFT(elm, field)) {     \
  elm = RB_LEFT(elm, field);    \
  while (RB_RIGHT(elm, field))    \
   elm = RB_RIGHT(elm, field);   \
 }
 else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_LEFT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
```

```
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
attr struct type *       \
name##_RB_MINMAX(struct name *head, int val)    \
{        \
 struct type *tmp = RB_ROOT(head);    \
 struct type *parent = NULL;     \
 while (tmp) {       \
  parent = tmp;      \
  if (val < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else       \
   tmp = RB_RIGHT(tmp, field);   \
 }       \
 return (parent);      \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
 y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x)  name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x)  name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head)     \
 for ((x) = RB_MIN(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)     \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
 for ((x) = RB_MIN(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))
```

```
#define RB_FOREACH_REVERSE(x, name, head)    \
 for ((x) = RB_MAX(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
 head, y)   \
 for ((x) = RB_MAX(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#endif /* _SYS_TREE_H_ */
```

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"

```
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

1.532 commons-collections 4.5.0

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1.533 postgresql17-client 17.5-r0

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1.536 postgresql17 17.5-r0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler
 labels.  If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for debugger output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
```

```
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered
 label where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"
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 Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
 02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported.  */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif
```

#endif /* __VTV_H__ */
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.541 error_prone_annotations 2.38.0

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* /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/ThreadSafeTypeParameter.java
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* /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/InlineMeValidationDisabled.java
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* /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
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* /error-prone-annotations-2-38-0-sources-
jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
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 /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/CheckReturnValue.java
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*

/error-prone-annotations-2-38-0-sources-jar/module-info.java
* /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /error-prone-annotations-2-38-0-sources-jar/com/google/errorprone/annotations/IncompatibleModifiers.java
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1.542 kafka-streams 4.0.0

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1.543 python-setuptools 80.9.0

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

In 1995, Guido continued his work on Python at the Corporation for

National Research Initiatives (CNRI, see https://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

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

All
Python releases are Open Source (see https://opensource.org for
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.544 jctools-core 4.0.5

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* /jctools-core-4-0-5-6-jar/META-INF/maven/org.jctools/jctools-core/pom.xml
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Manifest-Version: 1.0
Bnd-LastModified: 1717253512851
Build-Jdk-Spec: 1.8
Bundle-Description: Java Concurrency Tools Core Library
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Java Concurrency Tools Core Library
Bundle-SymbolicName: org.jctools.core
Bundle-Version: 4.0.5
Created-By: Apache Maven Bundle Plugin 5.1.8
Export-Package: org.jctools.maps;version="4.0.5",org.jctools.util;vers
ion="4.0.5";uses:="sun.misc",org.jctools.queues;version="4.0.5",org.j
ctools.queues.atomic;version="4.0.5";uses:="org.jctools.queues",org.j
ctools.queues.atomic.unpadded;version="4.0.5";uses:="org.jctools.queu
es",org.jctools.queues.unpadded;version="4.0.5";uses:="org.jctools.qu
eues",org.jctools.counters;version="4.0.5"
Import-Package: sun.misc;resolution:=optional
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-6.3.1.202206071316

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*
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1.545 protobuf 4.25.8

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  * MS Visual Studio error format option.
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Michael Poole <mdpoole@troilus.org>
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    all fields (only present with certain compiler settings).
  * Added generation of field number constants.
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Alexander Melnikov <alm@sibmail.ru>
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   * Detect whether zlib is new enough in configure script.
  * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * Optimize Java serialization of strings so that UTF-8 encoding happens only
    once per string per serialization call.
  * Clean up some Java warnings.
  * Fix bug with permanent callbacks that delete themselves when run.
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  * Added CodedInputStream.getTotalBytesRead().
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  * Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.

* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xlC compiler build issues
* Added atomicops for AIX (POWER)
Nipunn Koorapati <nipunn1313@gmail.com>
* Provide a type alias field ValueType
on EnumTypeWrapper
* Match service argument names to abstract interface

1.546 libpq-dev 17.5-r0

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1.570 protocol-core 2.29.24

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1.571 json-utils 2.29.24

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pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
```

```
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
```

"
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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr

```
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

mini_sendmail - accept email on behalf of real sendmail

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SUCH DAMAGE.

```
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
```

```
_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a  license-list-data-3.26.0.tar.gz
"
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
```

options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba83127006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f8611ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2dacef2092881eded0a2e94f6a07752ef3 tree.h
"
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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
Contributor: Dhruvin Gandhi <contact@dhru.vin>
Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression

```
pkgver=30.4.1
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312
fda3f699cbc7c4fbd47a71e220440fb0
  license_expression-30.4.1.tar.gz
"
```

```
/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

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* SUCH DAMAGE.
*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_

/*
* This file defines five types of data structures: singly-linked lists,
* lists, simple queues, tail queues, and circular queues.
*
* A singly-linked list is headed by a single forward pointer. The
* elements are singly linked for minimum space and
 pointer manipulation
* overhead at the expense of O(n) removal for arbitrary elements. New
* elements can be added to the list after an existing element or at the
* head of the list.  Elements being removed from the head of the list
* should use the explicit macro for this purpose for optimum
* efficiency. A singly-linked list may only be traversed in the forward
* direction.  Singly-linked lists are ideal for applications with large
* datasets and few or no removals or for implementing a LIFO queue.
*
* A list is headed by a single forward pointer (or an array of forward
* pointers for a hash table header). The elements are doubly linked
* so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before
* or after an existing element or at the head of the list. A list
* may only be traversed in the forward direction.
*
* A simple queue is headed by a pair of pointers, one the head of the
* list and the
```

```
 other to the tail of the list. The elements are singly
* linked to save space, so elements can only be removed from the
* head of the list. New elements can be added to the list after
* an existing element, at the head of the list, or at the end of the
* list. A simple queue may only be traversed in the forward direction.
*
* A tail queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before or
* after an existing element, at the head of the list, or at the end of
* the list. A tail queue may be traversed in either direction.
*
* A circle queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements
 can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere.  This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/
#ifdef __NetBSD__
#include <sys/null.h>
#endif

#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

/*
* Singly-linked List definitions.
*/
```

```
#define SLIST_HEAD(name, type)      \
struct name {       \
 struct type *slh_first; /* first
 element */   \
}

#define SLIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define SLIST_ENTRY(type)      \
struct {       \
 struct type *sle_next; /* next element */   \
}

/*
* Singly-linked List access methods.
*/
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head)  NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field)     \
 for((var) = (head)->slh_first;     \
    (var) != SLIST_END(head);     \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = SLIST_FIRST((head));    \
    (var) != SLIST_END(head) &&     \
    ((tvar) = SLIST_NEXT((var), field), 1);   \
    (var) = (tvar))

/*
* Singly-linked List functions.
*/
#define SLIST_INIT(head) do {      \
 (head)->slh_first = SLIST_END(head);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do {   \
 (elm)->field.sle_next = (slistelm)->field.sle_next;  \
 (slistelm)->field.sle_next
 = (elm);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do {   \
 (elm)->field.sle_next = (head)->slh_first;   \
```

```
 (head)->slh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do {   \
 (slistelm)->field.sle_next =     \
    SLIST_NEXT(SLIST_NEXT((slistelm), field), field);  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do {    \
 (head)->slh_first = (head)->slh_first->field.sle_next;  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do {   \
 if ((head)->slh_first == (elm)) {    \
  SLIST_REMOVE_HEAD((head), field);   \
 }       \
 else {       \
  struct type *curelm = (head)->slh_first;  \
  while(curelm->field.sle_next != (elm))   \
   curelm = curelm->field.sle_next;  \
  curelm->field.sle_next =    \
     curelm->field.sle_next->field.sle_next;  \
 }       \
} while (/*CONSTCOND*/0)



/*
* List definitions.
 */
#define LIST_HEAD(name, type)      \
struct name {       \
 struct type *lh_first; /* first element */   \
}

#define LIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define LIST_ENTRY(type)      \
struct {       \
 struct type *le_next; /* next element */   \
 struct type **le_prev; /* address of previous next element */ \
}

/*
* List access methods.
*/
#define LIST_FIRST(head)  ((head)->lh_first)
#define LIST_END(head)   NULL
```

```
#define LIST_EMPTY(head)  ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field)  ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field)     \
 for ((var) = ((head)->lh_first);    \
    (var) != LIST_END(head);     \
    (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = LIST_FIRST((head));    \
    (var) != LIST_END(head) &&     \
    ((tvar) = LIST_NEXT((var), field), 1);   \
    (var) = (tvar))

#define LIST_MOVE(head1, head2) do {     \
 LIST_INIT((head2));      \
 if (!LIST_EMPTY((head1)))
 {     \
  (head2)->lh_first = (head1)->lh_first;   \
  LIST_INIT((head1));     \
 }       \
} while (/*CONSTCOND*/0)

/*
* List functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)   \
 if ((head)->lh_first &&      \
    (head)->lh_first->field.le_prev != &(head)->lh_first) \
  QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
     __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_OP(elm, field)     \
 if ((elm)->field.le_next &&     \
    (elm)->field.le_next->field.le_prev !=   \
    &(elm)->field.le_next)     \
  QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm),  \
     __FILE__, __LINE__);    \
 if (*(elm)->field.le_prev != (elm))    \
  QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm),  \
     __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)    \
 (elm)->field.le_next = (void *)1L;    \
 (elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
```

```
 field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do {      \
 (head)->lh_first = LIST_END(head);    \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 if (((elm)->field.le_next = (listelm)->field.le_next) !=  \
     LIST_END(head))      \
  (listelm)->field.le_next->field.le_prev =  \
      &(elm)->field.le_next;    \
 (listelm)->field.le_next = (elm);    \
 (elm)->field.le_prev = &(listelm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 (elm)->field.le_prev = (listelm)->field.le_prev;  \
 (elm)->field.le_next = (listelm);    \
 *(listelm)->field.le_prev = (elm);    \
 (listelm)->field.le_prev = &(elm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do {    \
 QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.le_next
 = (head)->lh_first) != LIST_END(head))\
  (head)->lh_first->field.le_prev = &(elm)->field.le_next;\
 (head)->lh_first = (elm);     \
 (elm)->field.le_prev = &(head)->lh_first;   \
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do {     \
 QUEUEDEBUG_LIST_OP((elm), field)    \
 if ((elm)->field.le_next != NULL)    \
  (elm)->field.le_next->field.le_prev =    \
      (elm)->field.le_prev;    \
 *(elm)->field.le_prev = (elm)->field.le_next;   \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do {    \
 if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
  (elm2)->field.le_next->field.le_prev =   \
      &(elm2)->field.le_next;    \
```

```
 (elm2)->field.le_prev = (elm)->field.le_prev;   \
 *(elm2)->field.le_prev = (elm2);    \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

/*
* Simple queue definitions.
*/
#define SIMPLEQ_HEAD(name, type)     \
struct name {        \
 struct
 type *sqh_first; /* first element */   \
 struct type **sqh_last; /* addr of last next element */  \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)      \
struct {        \
 struct type *sqe_next; /* next element */   \
}

/*
* Simple queue access methods.
*/
#define SIMPLEQ_FIRST(head)  ((head)->sqh_first)
#define SIMPLEQ_END(head)  NULL
#define SIMPLEQ_EMPTY(head)  ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->sqh_first);    \
     (var) != SIMPLEQ_END(head);     \
     (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->sqh_first);    \
     (var) != SIMPLEQ_END(head) &&    \
     ((next = ((var)->field.sqe_next)), 1);   \
     (var) = (next))

/*
* Simple queue functions.
*/
#define SIMPLEQ_INIT(head) do {      \
 (head)->sqh_first = NULL;     \
 (head)->sqh_last
```

```
 = &(head)->sqh_first;    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (head)->sqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.sqe_next = NULL;     \
 *(head)->sqh_last = (elm);     \
 (head)->sqh_last = &(elm)->field.sqe_next;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL)\
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (listelm)->field.sqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
  (head)->sqh_last = &(head)->sqh_first;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do {   \
 if
 (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
    == NULL)       \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->sqh_first == (elm)) {    \
  SIMPLEQ_REMOVE_HEAD((head), field);   \
 } else {       \
  struct type *curelm = (head)->sqh_first;  \
  while (curelm->field.sqe_next != (elm))   \
   curelm = curelm->field.sqe_next;  \
  if ((curelm->field.sqe_next =    \
   curelm->field.sqe_next->field.sqe_next) == NULL) \
      (head)->sqh_last = &(curelm)->field.sqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do {    \
 if (!SIMPLEQ_EMPTY((head2))) {     \
```

```
  *(head1)->sqh_last = (head2)->sqh_first;  \
  (head1)->sqh_last = (head2)->sqh_last;  \
  SIMPLEQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field)     \
 (SIMPLEQ_EMPTY((head)) ?      \
  NULL :       \
        ((struct type
 *)(void *)    \
  ((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
* Tail queue definitions.
*/
#define _TAILQ_HEAD(name, type, qual)     \
struct name {        \
 qual type *tqh_first;  /* first element */  \
 qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head)     \
 { TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual)     \
struct {        \
 qual type *tqe_next;  /* next element */  \
 qual type *qual *tqe_prev; /* address of previous next element */\
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)

/*
* Tail queue access methods.
*/
#define TAILQ_FIRST(head)  ((head)->tqh_first)
#define TAILQ_END(head)   (NULL)
#define TAILQ_NEXT(elm, field)  ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
 (*(((struct headname *)(void *)((head)->tqh_last))->tqh_last))
#define TAILQ_PREV(elm, headname, field) \
 (*(((struct headname
 *)(void *)((elm)->field.tqe_prev))->tqh_last))
#define TAILQ_EMPTY(head)  (TAILQ_FIRST(head) == TAILQ_END(head))


#define TAILQ_FOREACH(var, head, field)     \
```

```
 for ((var) = ((head)->tqh_first);    \
    (var) != TAILQ_END(head);     \
    (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->tqh_first);    \
    (var) != TAILQ_END(head) &&     \
    ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field)  \
 for ((var) = TAILQ_LAST((head), headname);   \
    (var) != TAILQ_END(head);     \
    (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
 for ((var) = TAILQ_LAST((head), headname);   \
    (var) != TAILQ_END(head) &&     \
    ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
* Tail queue functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head,
 elm, field)   \
 if ((head)->tqh_first &&     \
    (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)   \
 if (*(head)->tqh_last != NULL)     \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_OP(elm, field)     \
 if ((elm)->field.tqe_next &&     \
    (elm)->field.tqe_next->field.tqe_prev !=   \
    &(elm)->field.tqe_next)     \
  QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
      __FILE__, __LINE__);    \
 if (*(elm)->field.tqe_prev != (elm))    \
  QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)   \
 if ((elm)->field.tqe_next == NULL &&    \
    (head)->tqh_last != &(elm)->field.tqe_next)   \
  QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d",\
      (head), (elm), __FILE__,
```

```
 __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)    \
 (elm)->field.tqe_next = (void *)1L;    \
 (elm)->field.tqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do {      \
 (head)->tqh_first = TAILQ_END(head);    \
 (head)->tqh_last = &(head)->tqh_first;    \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head))\
  (head)->tqh_first->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (head)->tqh_first = (elm);     \
 (elm)->field.tqe_prev = &(head)->tqh_first;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head,
 elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field)  \
 (elm)->field.tqe_next = TAILQ_END(head);   \
 (elm)->field.tqe_prev = (head)->tqh_last;   \
 *(head)->tqh_last = (elm);     \
 (head)->tqh_last = &(elm)->field.tqe_next;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 if (((elm)->field.tqe_next = (listelm)->field.tqe_next) !=  \
    TAILQ_END(head))      \
  (elm)->field.tqe_next->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (listelm)->field.tqe_next = (elm);    \
 (elm)->field.tqe_prev = &(listelm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)
```

```
#define TAILQ_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 (elm)->field.tqe_prev = (listelm)->field.tqe_prev;  \
 (elm)->field.tqe_next = (listelm);    \
 *(listelm)->field.tqe_prev = (elm);    \
 (listelm)->field.tqe_prev
 = &(elm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_TAILQ_PREREMOVE((head), (elm), field)  \
 QUEUEDEBUG_TAILQ_OP((elm), field)    \
 if (((elm)->field.tqe_next) != TAILQ_END(head))   \
  (elm)->field.tqe_next->field.tqe_prev =   \
     (elm)->field.tqe_prev;    \
 else       \
  (head)->tqh_last = (elm)->field.tqe_prev;  \
 *(elm)->field.tqe_prev = (elm)->field.tqe_next;   \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field);   \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do {   \
      if (((elm2)->field.tqe_next = (elm)->field.tqe_next) !=  \
    TAILQ_END(head))        \
            (elm2)->field.tqe_next->field.tqe_prev =  \
               &(elm2)->field.tqe_next;    \
      else       \
            (head)->tqh_last = &(elm2)->field.tqe_next;  \
      (elm2)->field.tqe_prev = (elm)->field.tqe_prev;   \
      *(elm2)->field.tqe_prev = (elm2);    \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm),
 field);   \
} while (/*CONSTCOND*/0)

#define TAILQ_CONCAT(head1, head2, field) do {    \
 if (!TAILQ_EMPTY(head2)) {     \
  *(head1)->tqh_last = (head2)->tqh_first;  \
  (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
  (head1)->tqh_last = (head2)->tqh_last;   \
  TAILQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

/*
* Singly-linked Tail queue declarations.
*/
#define STAILQ_HEAD(name, type)      \
```

```
struct name {       \
 struct type *stqh_first; /* first element */  \
 struct type **stqh_last; /* addr of last next element */ \
}

#define STAILQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type)      \
struct {        \
 struct type *stqe_next; /* next element */   \
}

/*
* Singly-linked Tail queue access methods.
*/
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head)
 == STAILQ_END(head))

/*
* Singly-linked Tail queue functions.
*/
#define STAILQ_INIT(head) do {      \
 (head)->stqh_first = NULL;     \
 (head)->stqh_last = &(head)->stqh_first;    \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (head)->stqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.stqe_next = NULL;     \
 *(head)->stqh_last = (elm);     \
 (head)->stqh_last = &(elm)->field.stqe_next;   \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL)\
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (listelm)->field.stqe_next = (elm);    \
} while (/*CONSTCOND*/0)
```

```
#define STAILQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->stqh_first = (head)->stqh_first->field.stqe_next)
 == NULL) \
  (head)->stqh_last = &(head)->stqh_first;   \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->stqh_first == (elm)) {    \
  STAILQ_REMOVE_HEAD((head), field);   \
 } else {       \
  struct type *curelm = (head)->stqh_first;  \
  while (curelm->field.stqe_next != (elm))   \
   curelm = curelm->field.stqe_next;  \
  if ((curelm->field.stqe_next =    \
   curelm->field.stqe_next->field.stqe_next) == NULL) \
      (head)->stqh_last = &(curelm)->field.stqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->stqh_first);    \
  (var);       \
  (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = STAILQ_FIRST((head));    \
    (var) && ((tvar) = STAILQ_NEXT((var), field), 1);  \
    (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do {    \
 if (!STAILQ_EMPTY((head2))) {     \
  *(head1)->stqh_last
 = (head2)->stqh_first;  \
  (head1)->stqh_last = (head2)->stqh_last;  \
  STAILQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field)     \
 (STAILQ_EMPTY((head)) ?      \
  NULL :       \
       ((struct type *)(void *)    \
  ((char *)((head)->stqh_last) - offsetof(struct type, field))))



#ifndef _KERNEL
/*
* Circular queue definitions. Do not use. We still keep the macros
```

```
* for compatibility but because of pointer aliasing issues their use
* is discouraged!
*/

/*
* __launder_type():  We use this ugly hack to work around the the compiler
* noticing that two types may not alias each other and elide tests in code.
* We hit this in the CIRCLEQ macros when comparing 'struct name *' and
* 'struct type *' (see CIRCLEQ_HEAD()).  Modern compilers (such as GCC
* 4.8) declare these comparisons as always false, causing the code to
* not run as designed.
*
* This hack is only to be used for comparisons and thus can be fully const.
 * Do not use for assignment.
*
* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
* this by changing the head/tail sentinal values, but see the note above
* this one.
*/
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
 __asm __volatile("" : "+r" (__x));
 return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)    \
 if ((head)->cqh_first != CIRCLEQ_ENDC(head) &&   \
    (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
       __FILE__, __LINE__);    \
 if ((head)->cqh_last != CIRCLEQ_ENDC(head) &&   \
    (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
       __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_last != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ
 elm last %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 } else {      \
  if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 }       \
```

```
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_first != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
       (elm), __FILE__, __LINE__);   \
 } else {       \
  if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
       (elm), __FILE__, __LINE__);   \
 }
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)   \
 (elm)->field.cqe_next = (void *)1L;    \
 (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type)     \
struct name {        \
 struct type *cqh_first;  /*
 first element */  \
 struct type *cqh_last;  /* last element */  \
}

#define CIRCLEQ_HEAD_INITIALIZER(head)     \
 { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type)      \
struct {        \
 struct type *cqe_next;  /* next element */  \
 struct type *cqe_prev;  /* previous element */  \
}

/*
* Circular queue functions.
*/
#define CIRCLEQ_INIT(head) do {      \
 (head)->cqh_first = CIRCLEQ_END(head);    \
 (head)->cqh_last = CIRCLEQ_END(head);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm)->field.cqe_next;  \
 (elm)->field.cqe_prev = (listelm);    \
 if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
```

```
 (head)->cqh_last = (elm);    \
 else       \
  (listelm)->field.cqe_next->field.cqe_prev = (elm); \
 (listelm)->field.cqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,
 listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm);    \
 (elm)->field.cqe_prev = (listelm)->field.cqe_prev;  \
 if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm);    \
 else       \
  (listelm)->field.cqe_prev->field.cqe_next = (elm); \
 (listelm)->field.cqe_prev = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next = (head)->cqh_first;   \
 (elm)->field.cqe_prev = CIRCLEQ_END(head);   \
 if ((head)->cqh_last == CIRCLEQ_ENDC(head))   \
  (head)->cqh_last = (elm);    \
 else       \
  (head)->cqh_first->field.cqe_prev = (elm);  \
 (head)->cqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next
 = CIRCLEQ_END(head);   \
 (elm)->field.cqe_prev = (head)->cqh_last;   \
 if ((head)->cqh_first == CIRCLEQ_ENDC(head))   \
  (head)->cqh_first = (elm);    \
 else       \
  (head)->cqh_last->field.cqe_next = (elm);  \
 (head)->cqh_last = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
  (head)->cqh_last = (elm)->field.cqe_prev;  \
 else       \
```

```
 (elm)->field.cqe_next->field.cqe_prev =   \
     (elm)->field.cqe_prev;    \
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm)->field.cqe_next;  \
 else       \
  (elm)->field.cqe_prev->field.cqe_next =   \
     (elm)->field.cqe_next;    \
 QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->cqh_first);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var)
 = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field)   \
 for ((var) = ((head)->cqh_last);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var) = ((var)->field.cqe_prev))

/*
* Circular queue access methods.
*/
#define CIRCLEQ_FIRST(head)  ((head)->cqh_first)
#define CIRCLEQ_LAST(head)  ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head)  (__launder_type(head))
/* For assignments */
#define CIRCLEQ_END(head)  ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head)      \
   (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field)    \
 (((elm)->field.cqe_next == CIRCLEQ_ENDC(head))   \
     ? ((head)->cqh_first)     \
     : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field)    \
 (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))   \
     ? ((head)->cqh_last)     \
     :
 (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
```

```
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef  __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct)     fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver
```

```
replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
```

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Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

```
sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
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*/

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y)      \
 ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) ||   \
  (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
```

```
#define _sys_tree_h_unused /* delete */
#endif

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
 data structure.  Every operation
* on the tree causes a splay to happen.  The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree.  On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as O((m + n)lg n).  The
* amortized cost for a sequence of m accesses to a splay tree is O(lg n);
*
* A red-black tree is a binary search tree with the node color as an
* extra attribute.  It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as O(lg n).
* The maximum height of a red-black tree is 2lg (n+1).
 */

#define SPLAY_HEAD(name, type)      \
struct name {       \
 struct type *sph_root; /* root of the tree */   \
}

#define SPLAY_INITIALIZER(root)     \
 { NULL }

#define SPLAY_INIT(root) do {      \
 (root)->sph_root = NULL;     \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type)      \
struct {        \
 struct type *spe_left; /* left element */   \
 struct type *spe_right; /* right element */   \
}
```

```
#define SPLAY_LEFT(elm, field)  (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field)  (elm)->field.spe_right
#define SPLAY_ROOT(head)  (head)->sph_root
#define SPLAY_EMPTY(head)  (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do {   \
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do {   \
 SPLAY_RIGHT((head)->sph_root,
 field) = SPLAY_LEFT(tmp, field); \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do {    \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);  \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do {    \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do {  \
 SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
 SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field);\
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
 SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
 SPLAY_PROTOTYPE(name, type, field, cmp)    \
void name##_SPLAY(struct name *, struct type *);   \
void name##_SPLAY_MINMAX(struct name *, int);    \
struct type *name##_SPLAY_INSERT(struct name *, struct type *);  \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *);  \
        \
```

```
/* Finds the node with the same key as elm */    \
static __inline struct type *      \
name##_SPLAY_FIND(struct name *head, struct type *elm)   \
{        \
 if (SPLAY_EMPTY(head))      \
  return(NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0)    \
  return (head->sph_root);    \
 return (NULL);       \
}        \
        \
static __inline _sys_tree_h_unused struct type *   \
name##_SPLAY_NEXT(struct name *head, struct type *elm)   \
{        \
 name##_SPLAY(head, elm);     \
 if (SPLAY_RIGHT(elm, field) != NULL) {    \
  elm = SPLAY_RIGHT(elm, field);    \
  while (SPLAY_LEFT(elm, field) != NULL) {  \
   elm = SPLAY_LEFT(elm, field);   \
  }       \
 }
 else       \
  elm = NULL;      \
 return (elm);       \
}        \
        \
static _sys_tree_h_unused __inline struct type *   \
name##_SPLAY_MIN_MAX(struct name *head, int val)   \
{        \
 name##_SPLAY_MINMAX(head, val);     \
       return (SPLAY_ROOT(head));     \
}

/* Main splay operation.
* Moves node close to the key of elm to top
*/
#define SPLAY_GENERATE(name, type, field, cmp)    \
struct type *        \
name##_SPLAY_INSERT(struct name *head, struct type *elm)  \
{        \
   if (SPLAY_EMPTY(head)) {      \
     SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
   } else {       \
     int __comp;       \
     name##_SPLAY(head, elm);     \
     __comp = (cmp)(elm, (head)->sph_root);   \
     if(__comp < 0) {      \
```

```
      SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
      SPLAY_RIGHT(elm, field) = (head)->sph_root;  \
      SPLAY_LEFT((head)->sph_root, field) = NULL;  \
     } else if (__comp > 0) {     \
      SPLAY_RIGHT(elm,
 field) = SPLAY_RIGHT((head)->sph_root, field);\
      SPLAY_LEFT(elm, field) = (head)->sph_root;  \
      SPLAY_RIGHT((head)->sph_root, field) = NULL; \
     } else       \
      return ((head)->sph_root);    \
   }         \
   (head)->sph_root = (elm);      \
   return (NULL);       \
}         \
         \
struct type *        \
name##_SPLAY_REMOVE(struct name *head, struct type *elm)  \
{         \
 struct type *__tmp;      \
 if (SPLAY_EMPTY(head))      \
  return (NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0) {   \
  if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
   (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
  } else {      \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
   name##_SPLAY(head, elm);   \
   SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
  }       \
 return (elm);      \
 }        \
 return (NULL);       \
}         \
         \
void         \
name##_SPLAY(struct
 name *head, struct type *elm)   \
{         \
 struct type __node, *__left, *__right, *__tmp;   \
 int __comp;       \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) {  \
  if (__comp < 0) {     \
```

```
  __tmp = SPLAY_LEFT((head)->sph_root, field); \
  if (__tmp == NULL)    \
   break;     \
  if ((cmp)(elm, __tmp) < 0){   \
   SPLAY_ROTATE_RIGHT(head, __tmp, field); \
   if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
    break;    \
  }      \
  SPLAY_LINKLEFT(head, __right, field);  \
 } else if (__comp > 0) {    \
  __tmp = SPLAY_RIGHT((head)->sph_root, field); \
  if (__tmp == NULL)    \
   break;     \
  if ((cmp)(elm, __tmp) > 0){   \
   SPLAY_ROTATE_LEFT(head, __tmp, field); \
   if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
    break;    \
  }      \
  SPLAY_LINKRIGHT(head, __left, field);  \
 }       \
}       \
SPLAY_ASSEMBLE(head,
&__node, __left, __right, field);  \
}        \
       \
/* Splay with either the minimum or the maximum element   \
* Used to find minimum or maximum element in tree.   \
*/        \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{        \
 struct type __node, *__left, *__right, *__tmp;   \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while (1) {       \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp < 0){    \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
```

```
  if (__tmp == NULL)    \
   break;     \
  if (__comp > 0) {    \
   SPLAY_ROTATE_LEFT(head, __tmp, field); \
   if (SPLAY_RIGHT((head)->sph_root,
 field) == NULL)\
    break;    \
  }      \
  SPLAY_LINKRIGHT(head, __left, field);  \
 }       \
}       \
 SPLAY_ASSEMBLE(head, &__node, __left, __right, field);  \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y)  name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y)  name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head)     \
 for ((x) = SPLAY_MIN(name, head);    \
     (x) != NULL;      \
     (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type)      \
struct name {        \
 struct type *rbh_root; /* root of the tree */   \
}

#define RB_INITIALIZER(root)      \
 {
 NULL }

#define RB_INIT(root) do {      \
 (root)->rbh_root = NULL;     \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED  1
#define RB_ENTRY(type)       \
```

```
struct {        \
 struct type *rbe_left;  /* left element */  \
 struct type *rbe_right;  /* right element */  \
 struct type *rbe_parent; /* parent element */  \
 int rbe_color;   /* node color */  \
}

#define RB_LEFT(elm, field)  (elm)->field.rbe_left
#define RB_RIGHT(elm, field)  (elm)->field.rbe_right
#define RB_PARENT(elm, field)  (elm)->field.rbe_parent
#define RB_COLOR(elm, field)  (elm)->field.rbe_color
#define RB_ROOT(head)   (head)->rbh_root
#define RB_EMPTY(head)   (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do {     \
 RB_PARENT(elm, field) = parent;     \
 RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL;  \
 RB_COLOR(elm, field) = RB_RED;     \
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do {    \
 RB_COLOR(black, field) = RB_BLACK;    \
 RB_COLOR(red, field)
 = RB_RED;     \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do {   \
 (tmp) = RB_RIGHT(elm, field);     \
 if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
  RB_PARENT(RB_LEFT(tmp, field), field) = (elm);  \
 }        \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else       \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_LEFT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
```

```
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do {   \
 (tmp) = RB_LEFT(elm, field);     \
 if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field))
 != NULL) { \
  RB_PARENT(RB_RIGHT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_RIGHT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp)    \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp)   \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr)  \
attr void name##_RB_INSERT_COLOR(struct name *, struct
 type *);  \
attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
attr struct type *name##_RB_INSERT(struct name *, struct type *); \
attr struct type *name##_RB_FIND(struct name *, struct type *);  \
attr struct type *name##_RB_NFIND(struct name *, struct type *); \
attr struct type *name##_RB_NEXT(struct type *);   \
attr struct type *name##_RB_PREV(struct type *);   \
attr struct type *name##_RB_MINMAX(struct name *, int);   \
        \

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp)    \
 RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp)   \
 RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
```

```
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr)  \
attr void       \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm)  \
{       \
 struct type
 *parent, *gparent, *tmp;    \
 while ((parent = RB_PARENT(elm, field)) != NULL &&  \
     RB_COLOR(parent, field) == RB_RED) {   \
  gparent = RB_PARENT(parent, field);   \
  if (parent == RB_LEFT(gparent, field)) {  \
   tmp = RB_RIGHT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_RIGHT(parent, field) == elm) {  \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = parent;    \
    parent = elm;    \
    elm = tmp;    \
   }      \
   RB_SET_BLACKRED(parent, gparent, field); \
   RB_ROTATE_RIGHT(head, gparent, tmp, field); \
  } else {      \
   tmp = RB_LEFT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_LEFT(parent, field) == elm)
  {  \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp = parent;    \
    parent = elm;    \
    elm = tmp;    \
   }      \
   RB_SET_BLACKRED(parent, gparent, field); \
   RB_ROTATE_LEFT(head, gparent, tmp, field); \
  }       \
 }       \
 RB_COLOR(head->rbh_root, field) = RB_BLACK;   \
}       \
        \
attr void       \
```

```
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{       \
 struct type *tmp;      \
 while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
     elm != RB_ROOT(head)) {     \
  if (RB_LEFT(parent, field) == elm) {   \
   tmp = RB_RIGHT(parent, field);   \
   if (RB_COLOR(tmp, field) == RB_RED) {  \
    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = RB_RIGHT(parent, field);  \
   }      \
   if ((RB_LEFT(tmp, field) == NULL ||  \
       RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
       (RB_RIGHT(tmp, field) == NULL ||  \
       RB_COLOR(RB_RIGHT(tmp,
 field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED;  \
    elm = parent;    \
    parent = RB_PARENT(elm, field);  \
   } else {     \
    if (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
     struct type *oleft;  \
     if ((oleft = RB_LEFT(tmp, field)) \
         != NULL)   \
      RB_COLOR(oleft, field) = RB_BLACK;\
     RB_COLOR(tmp, field) = RB_RED; \
     RB_ROTATE_RIGHT(head, tmp, oleft, field);\
     tmp = RB_RIGHT(parent, field); \
    }     \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_RIGHT(tmp, field))  \
     RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    elm = RB_ROOT(head);   \
    break;     \
   }      \
  } else {      \
   tmp = RB_LEFT(parent, field);   \
   if (RB_COLOR(tmp, field) == RB_RED) {  \
    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    tmp
 = RB_LEFT(parent, field);  \
   }      \
   if ((RB_LEFT(tmp, field) == NULL ||  \
```

```
      RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
      (RB_RIGHT(tmp, field) == NULL ||  \
      RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED;  \
    elm = parent;    \
    parent = RB_PARENT(elm, field);  \
   } else {     \
    if (RB_LEFT(tmp, field) == NULL || \
        RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
     struct type *oright;  \
     if ((oright = RB_RIGHT(tmp, field)) \
         != NULL)   \
      RB_COLOR(oright, field) = RB_BLACK;\
     RB_COLOR(tmp, field) = RB_RED; \
     RB_ROTATE_LEFT(head, tmp, oright, field);\
     tmp = RB_LEFT(parent, field); \
    }     \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_LEFT(tmp, field))  \
     RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    elm = RB_ROOT(head);   \
    break;     \
   }      \
  }       \
 }        \
 if
 (elm)       \
  RB_COLOR(elm, field) = RB_BLACK;   \
}         \
         \
attr struct type *       \
name##_RB_REMOVE(struct name *head, struct type *elm)   \
{         \
 struct type *child, *parent, *old = elm;   \
 int color;       \
 if (RB_LEFT(elm, field) == NULL)    \
  child = RB_RIGHT(elm, field);    \
 else if (RB_RIGHT(elm, field) == NULL)    \
  child = RB_LEFT(elm, field);    \
 else {        \
  struct type *left;     \
  elm = RB_RIGHT(elm, field);    \
  while ((left = RB_LEFT(elm, field)) != NULL)  \
   elm = left;     \
  child = RB_RIGHT(elm, field);    \
  parent = RB_PARENT(elm, field);    \
```

```
 color = RB_COLOR(elm, field);    \
 if (child)      \
  RB_PARENT(child, field) = parent;  \
 if (parent) {      \
  if (RB_LEFT(parent, field) == elm)  \
   RB_LEFT(parent, field) = child;  \
  else      \
   RB_RIGHT(parent, field) = child; \
  RB_AUGMENT(parent);    \
 } else       \
  RB_ROOT(head)
= child;    \
 if (RB_PARENT(elm, field) == old)   \
  parent = elm;     \
 (elm)->field = (old)->field;    \
 if (RB_PARENT(old, field)) {    \
  if (RB_LEFT(RB_PARENT(old, field), field) == old)\
   RB_LEFT(RB_PARENT(old, field), field) = elm;\
  else      \
   RB_RIGHT(RB_PARENT(old, field), field) = elm;\
  RB_AUGMENT(RB_PARENT(old, field));  \
 } else       \
  RB_ROOT(head) = elm;    \
 RB_PARENT(RB_LEFT(old, field), field) = elm;  \
 if (RB_RIGHT(old, field))    \
  RB_PARENT(RB_RIGHT(old, field), field) = elm; \
 if (parent) {      \
  left = parent;     \
  do {      \
   RB_AUGMENT(left);   \
  } while ((left = RB_PARENT(left, field)) != NULL); \
 }       \
 goto color;      \
}       \
parent = RB_PARENT(elm, field);     \
color = RB_COLOR(elm, field);     \
if (child)       \
 RB_PARENT(child, field) = parent;   \
if (parent) {       \
 if (RB_LEFT(parent, field) == elm)   \
  RB_LEFT(parent, field) = child;   \
 else       \
  RB_RIGHT(parent,
field) = child;  \
 RB_AUGMENT(parent);     \
} else       \
 RB_ROOT(head) = child;     \
color:        \
```

```
 if (color == RB_BLACK)      \
  name##_RB_REMOVE_COLOR(head, parent, child);  \
 return (old);       \
}         \
        \
/* Inserts a node into the RB tree */     \
attr struct type *       \
name##_RB_INSERT(struct name *head, struct type *elm)   \
{         \
 struct type *tmp;      \
 struct type *parent = NULL;     \
 int comp = 0;       \
 tmp = RB_ROOT(head);      \
 while (tmp) {       \
  parent = tmp;      \
  comp = (cmp)(elm, parent);    \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }        \
 RB_SET(elm, parent, field);     \
 if (parent != NULL) {      \
  if (comp < 0)      \
   RB_LEFT(parent, field) = elm;   \
  else       \
   RB_RIGHT(parent, field) = elm;   \
  RB_AUGMENT(parent);     \
 } else        \
  RB_ROOT(head) = elm;     \
 name##_RB_INSERT_COLOR(head,
 elm);    \
 return (NULL);       \
}         \
        \
/* Finds the node with the same key as elm */    \
attr struct type *       \
name##_RB_FIND(struct name *head, struct type *elm)   \
{         \
 struct type *tmp = RB_ROOT(head);    \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
```

```
  tmp = RB_RIGHT(tmp, field);   \
 else       \
  return (tmp);     \
 }        \
 return (NULL);       \
}         \
        \
/* Finds the first node greater than or equal to the search key */ \
attr struct type *       \
name##_RB_NFIND(struct name *head, struct type *elm)   \
{         \
 struct type *tmp = RB_ROOT(head);    \
 struct type *res = NULL;     \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0) {      \
   res = tmp;     \
   tmp = RB_LEFT(tmp, field);   \
  }       \
  else if (comp > 0)     \
   tmp =
 RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }        \
 return (res);       \
}         \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_NEXT(struct type *elm)     \
{         \
 if (RB_RIGHT(elm, field)) {     \
  elm = RB_RIGHT(elm, field);    \
  while (RB_LEFT(elm, field))    \
   elm = RB_LEFT(elm, field);   \
 } else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_RIGHT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }        \
```

```
 return (elm);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_PREV(struct type *elm)     \
{        \
 if (RB_LEFT(elm, field)) {     \
  elm = RB_LEFT(elm, field);    \
  while (RB_RIGHT(elm, field))    \
   elm = RB_RIGHT(elm, field);   \
 }
 else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_LEFT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
attr struct type *       \
name##_RB_MINMAX(struct name *head, int val)    \
{        \
 struct type *tmp = RB_ROOT(head);    \
 struct type *parent = NULL;     \
 while (tmp) {       \
  parent = tmp;      \
  if (val < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else       \
   tmp = RB_RIGHT(tmp, field);   \
 }       \
 return (parent);      \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
```

```
 y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x)  name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x)  name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head)     \
 for ((x) = RB_MIN(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)     \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
 for ((x) = RB_MIN(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head)    \
 for ((x) = RB_MAX(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
 head, y)   \
 for ((x) = RB_MAX(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#endif /* _SYS_TREE_H_ */
```

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Julian Seward, jseward@bzip.org
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Version 3.1, 31 March 2009

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler
labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should

```
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for debugger output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
```

```
/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered
  label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"
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   Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
   02110-1301, USA.  */
```

```
#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported.  */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



#endif /* __VTV_H__ */
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Version 3.1, 31 March 2009

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/* Use the Sequent Symmetry assembler syntax.  */

/* Define the syntax of pseudo-ops, labels and comments.  */

/* Prefix for internally generated assembler
 labels.  If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for debugger output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */
```

```
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered
 label where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"
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  Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
  02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported.  */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



#endif /* __VTV_H__ */
```

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler
 labels. If we aren't using
  underscores, we are using prefix `.'s to identify labels that should
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for debugger output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

```
/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
  that says to advance the location counter
  to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered
 label where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"
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```

```
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  Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
  02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
```

/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported. */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif

#endif /* __VTV_H__ */
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Version 3, 29 June 2007

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1.578 libncursesw 6.5_p20250503-r0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler
labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should

```
  be ignored, as in `i386/gas.h' --karl@cs.umb.edu  */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size.  */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation.  */

/* This was suggested, but it shouldn't be right for debugger output. -- RMS
  #define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */


/* Define the syntax of labels and symbol definitions/declarations.  */

/* This is how to output an assembler line
  that says to advance the location counter by SIZE bytes.  */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  \
 fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations.  */

/* This says how to output an assembler line
  to define a global common symbol.  */

#define
 ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".comm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
  to define a local common symbol.  */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),   \
 assemble_name ((FILE), (NAME)),  \
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif
```

```
/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes.  */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
 if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered
  label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'.  */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols.  */

#define USER_LABEL_PREFIX "_"
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   License along with this program; if not, write to the Free Software
   Foundation, Inc., 51 Franklin Street - Fifth Floor, Boston, MA
   02110-1301, USA.  */
```

```
#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported.  */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



#endif /* __VTV_H__ */
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1.580 zstd-dev 1.5.7-r0

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1.582 jansson 2.14.1-r0

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1.583 ssl-client 1.37.0-r18

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1.584 musl-dev 1.2.5-r10

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1.585 busybox 1.37.0-r18

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Found in path(s):

* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/bbsuid.c
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```
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* depmod - generate modules.dep
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@@ -25,6 +25,24 @@
#include "modutils.h"
#include <sys/utsname.h> /* uname() */

+#define INDEX_MINCHAR 32
+#define INDEX_MAXCHAR 128
+
+typedef struct index_node {
+ char *prefix;
+ llist_t *values;
+ struct index_node *children[INDEX_MAXCHAR-INDEX_MINCHAR];
+} index_node;
+
+struct globals {
+ module_db db;
+ index_node *root_node;
+} FIX_ALIASING;
+#define G (*ptr_to_globals)
+#define INIT_G() do { \
+ SET_PTR_TO_GLOBALS(xzalloc(sizeof(G))); \
+} while (0)
+
/*
* Theory of operation:
* - iterate over all modules and record their full path
@@ -53,18 +71,12 @@ static int FAST_FUNC parse_module(struct recursive_state
 *state,

for (ptr = image; ptr < image + len - 10; ptr++) {
if (is_prefixed_with(ptr, "depends=")) {
-   char *u;
-
ptr += 8;
-   for (u = ptr; *u; u++)
-    if (*u == '-')
-     *u = '_';
-   ptr += string_to_llist(ptr, &e->deps, ",");
```

```
+   string_to_llist(replace_underscores(ptr), &e->deps, ",");
} else if (ENABLE_FEATURE_MODUTILS_ALIAS
&& is_prefixed_with(ptr, "alias=")
) {
-   llist_add_to(&e->aliases, xstrdup(ptr + 6));
-   ptr += strlen(ptr);
+   llist_add_to(&e->aliases, replace_underscores(xstrdup(ptr + 6)));
} else if (ENABLE_FEATURE_MODUTILS_SYMBOLS
&& is_prefixed_with(ptr, "__ksymtab_")
) {
@@ -74,9 +86,10 @@ static int FAST_FUNC parse_module(struct recursive_state *state,
) {
continue;
}
-   llist_add_to(&e->symbols, xstrdup(ptr));
-   ptr += strlen(ptr);
- }
+   llist_add_to(&e->symbols, xasprintf("symbol:%s", ptr));
+  } else
+   continue;
+  ptr += strlen(ptr);
}
free(image);

@@ -108,12 +121,6 @@ static void order_dep_list(module_db *modules, module_entry *start, llist_t
 *add
}
}

-static void xfreopen_write(const char *file, FILE *f)
-{
- if (freopen(file, "w", f) == NULL)
-  bb_perror_msg_and_die("can't open '%s'", file);
-}
-
//usage:#if !ENABLE_MODPROBE_SMALL
//usage:#define depmod_trivial_usage "[-n] [-b BASE] [VERSION] [MODFILES]..."
//usage:#define depmod_full_usage "\n\n"
@@ -167,6 +174,169 @@ enum {
OPT_C = (1 << 9), /* -C,--config etc_modules_conf: ignored */
```

Found in path(s):
* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/0018-depmod-support-generating-kmod-binary-index-files.patch
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Found in path(s):
* /aports-master-main-busybox-zip/aports-master-main-busybox/main/busybox/0024-umount-Implement-O-option-to-unmount-by-mount-option.patch

1.586 mpfr4 4.2.1_p1-r0

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cpanmakedepends="    "
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"
```

```
prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test
}

package() {
 cd "$_builddir"
 make
 DESTDIR="$pkgdir" install || return 1
 find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/"
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 cd "$_builddir"
 update_config_sub || return 1
}
build() {
 cd "$_builddir"
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  || return 1
 make || return 1
```

```
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

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```
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=2
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends="   "
```

```
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test || return 1
}

package() {
 cd "$_builddir"
 make DESTDIR="$pkgdir" install || return 1
 find "$pkgdir"
 \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-
1.2909.tar.gz"
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85743363750157943c7f7700276cce2bd40a429fa430  BSD-Resource-1.2909.tar.gz"
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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
 cd "$builddir"
 python3 setup.py build || return 1
}

package() {
 cd "$builddir"

```
 python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73  flake8-copyright-
0.2.0.tar.gz"
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2417b586e543bfba12abce256b2023c8c4993eeb90
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mini_sendmail - accept email on behalf of real sendmail

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1.588 swagger-annotations 1.6.16

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* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/License.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiParam.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/AuthorizationScope.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiResponses.java
*
 /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/Contact.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiModel.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiImplicitParams.java
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* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/SwaggerDefinition.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ExampleProperty.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiModelProperty.java
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 /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ExtensionProperty.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ResponseHeader.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiResponse.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/Extension.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/Example.java
* /swagger-annotations-1-6-16-sources-jar/io/swagger/annotations/ApiImplicitParam.java

1.589 client-java-api 24.0.0

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*/
/**
 * serving indicates that this endpoint is able to receive traffic, according to whatever system is managing the endpoint. For endpoints backed by pods, the EndpointSlice controller will mark the endpoint as serving if the pod's Ready condition is True. A nil value should be interpreted as \"true\".
 * @return serving
 */

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*
 /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EndpointConditions.java
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*/
/**
 * publishNotReadyAddresses indicates that any agent which deals with endpoints for this Service should disregard any indications of ready/not-ready. The primary use case for setting this field is for a StatefulSet's Headless Service to propagate SRV DNS records for its Pods for the purpose of peer discovery. The Kubernetes controllers that generate Endpoints
 and EndpointSlice resources for Services interpret this to mean that all endpoints are considered \"ready\" even if the Pods themselves are not. Agents which consume only Kubernetes generated endpoints through the Endpoints or EndpointSlice resources can safely assume this behavior.
 * @return publishNotReadyAddresses
 */
/**
 * type determines how the Service is exposed. Defaults to ClusterIP. Valid options are ExternalName, ClusterIP, NodePort, and LoadBalancer. \"ClusterIP\" allocates a cluster-internal IP address for load-balancing to endpoints. Endpoints are determined by the selector or if that is not specified, by manual construction of an Endpoints object or EndpointSlice objects. If clusterIP is \"None\", no virtual IP is allocated and the endpoints are published as a set of endpoints rather than a virtual IP. \"NodePort\" builds on ClusterIP and allocates a port on every node which routes to the same endpoints as the clusterIP.

\"LoadBalancer\" builds on NodePort and creates an external load-balancer (if supported in the current cloud) which routes to the same endpoints as the clusterIP. \"ExternalName\" aliases this service to the specified externalName. Several other fields do not apply to ExternalName services. More info: https://kubernetes.io/docs/concepts/services-networking/service/#publishing-services-service-types
* @return type
*/

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceSpec.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/gson/V1MetadataExclusionStrategy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/IntOrStringJacksonSerializer.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/MapUtils.java
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limitations under the License.
*/
/**
* EndpointSliceList represents a list of endpoint slices
*/
/**
* Validates the JSON Element and throws an exception if issues found
*

```
  * @param jsonElement JSON Element
  * @throws IOException if the JSON Element is invalid with respect to V1EndpointSliceList
  */
/**
  * Create an instance of V1EndpointSliceList given an JSON string
  *
  * @param
 jsonString JSON string
  * @return An instance of V1EndpointSliceList
  * @throws IOException if the JSON string is invalid with respect to V1EndpointSliceList
  */
/**
  * Convert an instance of V1EndpointSliceList to an JSON string
  *
  * @return JSON string
  */
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EndpointSliceList.java
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```
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*/
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/FlowcontrolV1Subject.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IPAddressSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SuccessPolicy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1IPAddressSpec.java
*
 /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2MetricStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1APIVersions.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodDisruptionBudget.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeAttachmentList.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1beta1ValidatingAdmissionPolicyBindingList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressLoadBalancerStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ModifyVolumeStatus.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/ApiregistrationApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/auth/HttpBearerAuth.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1alpha3OpaqueDeviceConfiguration.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1DeviceClaimConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SELinuxOptions.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ClusterRoleBinding.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ReplicationControllerStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourcePool.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/auth/Authentication.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ContainerStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SelfSubjectRulesReviewSpec.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1PriorityLevelConfigurationCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1DeviceConstraint.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/ProgressResponseBody.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/ApiregistrationV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeClaimStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceTaint.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressLoadBalancerIngress.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1APIResource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ReplicationControllerList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1TCPSocketAction.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2HorizontalPodAutoscalerBehavior.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CustomResourceDefinitionSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3NetworkDeviceData.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressList.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1alpha1MutatingAdmissionPolicyBindingSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1VolumeAttributesClass.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/BatchV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PolicyRulesWithSubjects.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ContainerState.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Variable.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeNodeAffinity.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeDaemonEndpoints.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1StatefulSetPersistentVolumeClaimRetentionPolicy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2ResourceClaim.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1MutatingWebhookConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeClaimSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PortworxVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2AllocationResult.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceAccountList.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ScaleIOPersistentVolumeSource.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ComponentCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EphemeralContainer.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EventSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1WeightedPodAffinityTerm.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3ResourceClaim.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlowDistinguisherMethod.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ServiceCIDRList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ServiceCIDRStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/Pair.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1HostAlias.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1CELDeviceSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ControllerRevisionList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeNodeResources.java
* /client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceStatus.java
* /client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressTLS.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodFailurePolicyRule.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Condition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1GitRepoVolumeSource.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2ResourceClaimTemplateSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/AuthorizationApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CinderVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2OpaqueDeviceConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LimitRange.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceTaint.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ScaleStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/AdmissionregistrationV1beta1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceFieldSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceList.java
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/client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/EventsV1EventSeries.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1TopologySpreadConstraint.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/ApiextensionsV1WebhookClientConfig.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1RollingUpdateDaemonSet.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ServiceCIDRSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceClassList.java
* /client-java-api-24-0-0-sources-

jar/io/kubernetes/client/openapi/models/V1ValidatingAdmissionPolicyBinding.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2HPAScalingPolicy.java
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/client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1OpaqueDeviceConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/FlowcontrolApiserverV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1DeviceCounterConsumption.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeRuntimeHandler.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeClaimCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceTaintSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1JobSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2ResourceSliceSpec.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1DownwardAPIVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SelfSubjectAccessReview.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceCIDRList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeError.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeAffinity.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/ApiextensionsApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1APIServiceList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeAttachmentSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ClusterTrustBundleSpec.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CustomResourceDefinition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1MatchResources.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1RuntimeClass.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EphemeralVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CephFSPersistentVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1HorizontalPodAutoscalerSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceAccountTokenProjection.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/StorageApi.java
*
/client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1beta1DeviceRequestAllocationResult.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Deployment.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1StorageVersionList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlexVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServerAddressByClientCIDR.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Container.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2CELDeviceSelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1MutatingWebhook.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CustomResourceSubresourceScale.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1PodFailurePolicyOnPodConditionsPattern.java

*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ForZone.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CertificateSigningRequestList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatusCause.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlowSchema.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/EventsV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceHealth.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceToleration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ReplicaSet.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodTemplate.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeAttachmentStatus.java
*
/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceTaintRule.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1alpha1StorageVersionMigrationStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CronJobList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Affinity.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CSINodeList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeSystemInfo.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ReplicaSetStatus.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1alpha3DeviceAllocationConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SelfSubjectAccessReviewSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1RuntimeClassList.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatefulSetOrdinals.java
* /client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/NodeV1Api.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V2HorizontalPodAutoscalerCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2Device.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NamespaceCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CSIDriverList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/EventsV1Event.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeClaimList.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1StorageVersionMigration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1DeviceSubRequest.java
* /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1beta1ValidatingAdmissionPolicyList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ConfigMapVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ContainerStateTerminated.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/OpenidApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1ApplyConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1AuditAnnotation.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ContainerPort.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Validation.java
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 /client-java-api-24-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1beta1ValidatingAdmissionPolicyBindingSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ExemptPriorityLevelConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ConfigMapEnvSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlockerVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1WatchEvent.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ClusterRoleList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceSubRequest.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Binding.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceClaimConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/NetworkingApi.java
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 /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2MetricSpec.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1DeploymentStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ConfigMapProjection.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2NetworkDeviceData.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CSIDriver.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LimitResponse.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourcePolicyRule.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ParamKind.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LeaseList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LocalObjectReference.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/PolicyV1Api.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1Validation.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceClaim.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/CoordinationV1beta1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1DeploymentStrategy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SecretReference.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/ResourceV1beta1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2MetricIdentifier.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3Counter.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha2LeaseCandidateSpec.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceAllocationResult.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodStatus.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceQuotaStatus.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IngressClassList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ReplicaSetSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LoadBalancerIngress.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1Counter.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/auth/HttpBasicAuth.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Namespace.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Preconditions.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceRequest.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Lifecycle.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1HTTPIngressPath.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/InternalApiserverApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeSelectorTerm.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1BoundObjectReference.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SecretProjection.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceBackendPort.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FieldSelectorAttributes.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1JSONPatch.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PriorityLevelConfigurationList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1MutatingAdmissionPolicy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourceSliceList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/InternalApiserverV1alpha1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlexPersistentVolumeSource.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1MatchResources.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CronJobSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1RBDPersistentVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PriorityClass.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatefulSetUpdateStrategy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2MetricValueStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourceClaimTemplateList.java
* /client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1DeleteOptions.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatefulSetList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1LeaseCandidateList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/CoordinationV1alpha2Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/CertificatesV1alpha1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2ExactDeviceRequest.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3AllocatedDeviceStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SecretKeySelector.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeMountStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EnvVarSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/ServerConfiguration.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceQuotaSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1IPAddressList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1AzureFileVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1OwnerReference.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodAntiAffinity.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3BasicDevice.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NamespaceList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1NamedRuleWithOperations.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1TypeChecking.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1NamedRuleWithOperations.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1StorageVersionStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SelectableField.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ISCSIVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ExpressionWarning.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceClassConfiguration.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StorageOSVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1HTTPHeader.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ValidatingAdmissionPolicyStatus.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1SecurityContext.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2HorizontalPodAutoscalerList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceAccount.java
* /client-java-api-24-0-0-sources-
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ServiceCIDRStatus.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ComponentStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha1MigrationCondition.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourceClaim.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PersistentVolumeClaimTemplate.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Sysctl.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PolicyRule.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatefulSet.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/RbacV1Subject.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1Variable.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodAffinityTerm.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta2DeviceClass.java

* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/NodeApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1NodeConfigStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeResourceRequirements.java
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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1StatefulSetSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Overhead.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1DeviceClaim.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1HorizontalPodAutoscalerStatus.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceQuotaList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1VolumeProjection.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/StorageV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourceClaimTemplate.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1alpha3DeviceClass.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1CronJob.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1ResourceClaimTemplateSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1GRPCAction.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ValidatingAdmissionPolicy.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ExecAction.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ResourceQuota.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LimitRangeSpec.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1ImageVolumeSource.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodTemplateSpec.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1APIResourceList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/WellKnownApi.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FCVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1FlowSchemaSpec.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1beta1AllocationResult.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1PodDNSConfig.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1LocalVolumeSource.java

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/client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/ApiextensionsV1Api.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1JobList.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1RollingUpdateStatefulSetStrategy.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V2HorizontalPodAutoscalerSpec.java
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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1GlusterfsPersistentVolumeSource.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/ApiException.java
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*/
/**
* Endpoints is a collection of endpoints that implement the actual service. Example: Name: \"mysvc\",
Subsets: [{ Addresses: [{\"ip\": \"10.10.1.1\"}, {\"ip\":
\"10.10.2.2\"}], Ports: [{\"name\": \"a\", \"port\": 8675},
{\"name\": \"b\", \"port\":
309}] }, { Addresses: [{\"ip\": \"10.10.3.3\"}], Ports: [{\"name\":
\"a\", \"port\": 93}, {\"name\": \"b\", \"port\": 76}] },
] Endpoints is a legacy API and does not contain information about all Service features. Use
discoveryv1.EndpointSlice for complete information about Service endpoints. Deprecated: This API is deprecated
in v1.33+. Use discoveryv1.EndpointSlice.
*/

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Endpoints.java

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```
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distributed under the License is distributed on an "AS IS" BASIS,
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limitations under the License.
*/
/**
* EndpointSlice represents a set of service endpoints. Most EndpointSlices are created by the EndpointSlice controller to represent the Pods selected by Service objects. For a given service there may be multiple EndpointSlice objects which must be joined to produce the full set of endpoints; you can find all of the slices for a given service by listing EndpointSlices
 in the service&#39;s namespace whose &#x60;kubernetes.io/service-name&#x60; label contains the service&#39;s name.
*/
/**
  * addressType specifies the type of address carried by this EndpointSlice. All addresses in this slice must be the same type. This field is immutable after creation. The following address types are currently supported: * IPv4: Represents an IPv4 Address. * IPv6: Represents an IPv6 Address. * FQDN: Represents a Fully Qualified Domain Name. (Deprecated) The EndpointSlice controller only generates, and kube-proxy only processes, slices of addressType \&quot;IPv4\&quot; and \&quot;IPv6\&quot;. No semantics are defined for the \&quot;FQDN\&quot; type.
  * @return addressType
  */
/**
  * ports specifies the list of network ports exposed by each endpoint in this slice. Each port must have a unique name. Each slice may include a maximum of 100 ports. Services always have at least 1 port, so EndpointSlices generated by the EndpointSlice controller will likewise
 always have at least 1 port. EndpointSlices used for other purposes may have an empty ports list.
  * @return ports
  */
/**
  * Validates the JSON Element and throws an exception if issues found
  *
  * @param jsonElement JSON Element
  * @throws IOException if the JSON Element is invalid with respect to V1EndpointSlice
  */
/**
  * Create an instance of V1EndpointSlice given an JSON string
  *
  * @param jsonString JSON string
```

```
  * @return An instance of V1EndpointSlice
  * @throws IOException if the JSON string is invalid with respect to V1EndpointSlice
  */
/**
  * Convert an instance of V1EndpointSlice to an JSON string
  *
  * @return JSON string
  */
```

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* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EndpointSlice.java
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```
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limitations under the License.
*/
/**
  * addresses of this endpoint. For EndpointSlices of addressType \&amp;quot;IPv4\&amp;quot; or \&amp;quot;IPv6\&amp;quot;, the values are IP addresses in canonical form. The syntax and semantics of other addressType values are not defined. This must contain at least one address but no more than 100. EndpointSlices generated by the EndpointSlice controller will always have exactly
 1 address. No semantics are defined for additional addresses beyond the first, and kube-proxy does not look at them.
  * @return addresses
  */
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1Endpoint.java
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```
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limitations under the License.
*/

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/common/KubernetesObject.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/gson/V1StatusPreProcessor.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/NodeMetrics.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/IntOrString.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/IOTrio.java
*
 /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/ContainerMetrics.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/SuffixFormatter.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/QuantityFormatter.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/common/KubernetesType.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/BaseExponent.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/PodMetricsList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/QuantityFormatException.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/Quantity.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/V1Patch.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/NodeMetricsList.java
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/common/KubernetesListObject.java
*
 /client-java-api-24-0-0-sources-jar/io/kubernetes/client/custom/PodMetrics.java
No license file was found, but licenses were detected in source scan.

/*
Copyright 2025 The Kubernetes Authors.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/
/**
* EndpointPort represents a Port used by an EndpointSlice
*/
/**
  * name represents the name of this port. All ports in an EndpointSlice must have a unique name. If the EndpointSlice is derived from a Kubernetes service, this corresponds to the Service.ports[].name. Name must either be an empty string or pass DNS_LABEL validation: * must be no more than 63
 characters long. * must consist of lower case alphanumeric characters or '-'. * must start and end with an alphanumeric character. Default is empty string.
  * @return name

```
  */
/**
  * port represents the port number of the endpoint. If the EndpointSlice is derived from a Kubernetes service, this must be set to the service&amp;#39;s target port. EndpointSlices used for other purposes may have a nil port.
  * @return port
  */
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/DiscoveryV1EndpointPort.java
No license file was found, but licenses were detected in source scan.

```
/*
Copyright 2025 The Kubernetes Authors.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/
/**
      * Execute listEndpointsForAllNamespaces request
      * @return V1EndpointsList
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description
 </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute listEndpointsForAllNamespaces request with HTTP info returned
      * @return ApiResponse&amp;lt;V1EndpointsList&amp;gt;
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/CoreV1Api.java
No license file was found, but licenses were detected in source scan.

/*
Copyright 2025 The Kubernetes Authors.
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
http://www.apache.org/licenses/LICENSE-2.0
Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/
/**
     * Set pretty
     * @param pretty If 'true', then the output is pretty printed. Defaults to 'false' unless the user-agent indicates a browser or command-line HTTP tool (curl and wget). (optional)
     * @return APIcreateNamespacedEndpointSliceRequest
     */
/**
     * Build call for createNamespacedEndpointSlice

  * @param _callback ApiCallback API callback
     * @return Call to execute
     * @throws ApiException If fail to serialize the request body object
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td> - </td></tr>
       <tr><td> 201 </td><td> Created </td><td> - </td></tr>
       <tr><td> 202 </td><td> Accepted </td><td> - </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td> - </td></tr>
     </table>
     */
/**
     * Execute createNamespacedEndpointSlice request
     * @return V1EndpointSlice
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status

```
 Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
          <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
        * Execute createNamespacedEndpointSlice request with HTTP info returned
        * @return ApiResponse&lt;V1EndpointSlice&gt;
        * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
        * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
          <tr><td> 202 </td><td> Accepted </td><td>
  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
        * Execute createNamespacedEndpointSlice request (asynchronously)
        * @param _callback The callback to be executed when the API call finishes
        * @return The request call
        * @throws ApiException If fail to process the API call, e.g. serializing the request body object
        * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
          <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
    *
    * create an EndpointSlice
    * @param namespace object
 name and auth scope, such as for teams and projects (required)
    * @param body  (required)
    * @return APIcreateNamespacedEndpointSliceRequest
    * @http.response.details
    <table border="1">
      <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
```

```
     <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
     <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
     <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
     <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
   </table>
   */
/**
     * Set pretty
     * @param pretty If &#39;true&#39;, then the output is pretty printed. Defaults to &#39;false&#39; unless the user-agent indicates a browser or command-line HTTP tool (curl and wget). (optional)
     * @return APIdeleteCollectionNamespacedEndpointSliceRequest
     */
/**
     * Build call for deleteCollectionNamespacedEndpointSlice

    * @param _callback ApiCallback API callback
     * @return Call to execute
     * @throws ApiException If fail to serialize the request body object
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute deleteCollectionNamespacedEndpointSlice request
     * @return V1Status
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute deleteCollectionNamespacedEndpointSlice request with HTTP info returned
     * @return ApiResponse&lt;V1Status&gt;
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
```

```
        </table>
        */
/**
        * Execute deleteCollectionNamespacedEndpointSlice request (asynchronously)
        * @param _callback The callback to be executed when the API call finishes
        * @return The request call
        * @throws ApiException If fail to process the API call, e.g.
 serializing the request body object
        * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
    *
    * delete collection of EndpointSlice
    * @param namespace object name and auth scope, such as for teams and projects (required)
    * @return APIdeleteCollectionNamespacedEndpointSliceRequest
    * @http.response.details
    <table border="1">
      <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
/**
        * Set pretty
        * @param pretty
 If &#39;true&#39;, then the output is pretty printed. Defaults to &#39;false&#39; unless the user-agent indicates a
browser or command-line HTTP tool (curl and wget). (optional)
        * @return APIdeleteNamespacedEndpointSliceRequest
        */
/**
        * Build call for deleteNamespacedEndpointSlice
        * @param _callback ApiCallback API callback
        * @return Call to execute
        * @throws ApiException If fail to serialize the request body object
        * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
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          <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
```

```
      </table>
      */
/**
      * Execute deleteNamespacedEndpointSlice request
      * @return V1Status

     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
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        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute deleteNamespacedEndpointSlice request with HTTP info returned
      * @return ApiResponse&lt;V1Status&gt;
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>

   <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute deleteNamespacedEndpointSlice request (asynchronously)
      * @param _callback The callback to be executed when the API call finishes
      * @return The request call
      * @throws ApiException If fail to process the API call, e.g. serializing the request body object
      * @http.response.details
      <table border="1">
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        <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
    *
    * delete an EndpointSlice
```

```
     * @param name name of the EndpointSlice (required)
    * @param namespace object name and auth scope, such as for teams and projects (required)
    * @return APIdeleteNamespacedEndpointSliceRequest
    * @http.response.details
    <table border="1">
      <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 202 </td><td> Accepted </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
/**
       * Set allowWatchBookmarks
       * @param allowWatchBookmarks allowWatchBookmarks requests watch events with type
\&amp;quot;BOOKMARK\&amp;quot;. Servers that do not implement bookmarks may ignore this flag and bookmarks are
sent at the server&amp;#39;s discretion. Clients should not assume bookmarks are returned at any specific interval, nor
may they assume the server will send any BOOKMARK
 event during a session. If this is not a watch, this field is ignored. (optional)
       * @return APIlistEndpointSliceForAllNamespacesRequest
       */
/**
       * Build call for listEndpointSliceForAllNamespaces
       * @param _callback ApiCallback API callback
       * @return Call to execute
       * @throws ApiException If fail to serialize the request body object
       * @http.response.details
       <table border="1">
      <caption>Response Details</caption>
         <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
         <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
         <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
       </table>
       */
/**
       * Execute listEndpointSliceForAllNamespaces request
       * @return V1EndpointSliceList
       * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
       * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
         <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
         <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
         <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
       </table>
       */
/**
       * Execute listEndpointSliceForAllNamespaces request with HTTP info returned
```

```
        * @return ApiResponse&lt;V1EndpointSliceList&gt;
        * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
        * @http.response.details
        <table border="1">
       <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
        * Execute listEndpointSliceForAllNamespaces
 request (asynchronously)
        * @param _callback The callback to be executed when the API call finishes
        * @return The request call
        * @throws ApiException If fail to process the API call, e.g. serializing the request body object
        * @http.response.details
        <table border="1">
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          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
    *
    * list or watch objects of kind EndpointSlice
    * @return APIlistEndpointSliceForAllNamespacesRequest
    * @http.response.details
    <table border="1">
      <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
/**
        * Set pretty
        * @param pretty If &#39;true&#39;, then the output is pretty printed. Defaults to &#39;false&#39; unless the
user-agent indicates a browser or command-line HTTP tool (curl and wget). (optional)
        * @return APIlistNamespacedEndpointSliceRequest
        */
/**
        * Build call for listNamespacedEndpointSlice
        * @param _callback ApiCallback API callback
        * @return Call to execute
        * @throws ApiException If fail to serialize the request body object
        * @http.response.details
```

```
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute
 listNamespacedEndpointSlice request
     * @return V1EndpointSliceList
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute listNamespacedEndpointSlice request with HTTP info returned
     * @return ApiResponse&amp;lt;V1EndpointSliceList&amp;gt;
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute listNamespacedEndpointSlice request (asynchronously)
     * @param _callback The callback to be executed when the API call finishes
     * @return The request call
     * @throws ApiException If fail to process the API call, e.g. serializing the request body object
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Set pretty
     * @param pretty If &amp;#39;true&amp;#39;, then the output is pretty printed. Defaults to &amp;#39;false&amp;#39; unless the
```

```
user-agent indicates
 a browser or command-line HTTP tool (curl and wget). (optional)
      * @return APIpatchNamespacedEndpointSliceRequest
      */
/**
      * Build call for patchNamespacedEndpointSlice
      * @param _callback ApiCallback API callback
      * @return Call to execute
      * @throws ApiException If fail to serialize the request body object
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute patchNamespacedEndpointSlice request
      * @return V1EndpointSlice
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response
 body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute patchNamespacedEndpointSlice request with HTTP info returned
      * @return ApiResponse&amp;lt;V1EndpointSlice&amp;gt;
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
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  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute patchNamespacedEndpointSlice request (asynchronously)
```

```
        * @param _callback The callback to be executed when the API call finishes
        * @return The request call
        * @throws ApiException If fail to process the API call, e.g. serializing the request body object
        * @http.response.details
        <table border="1">
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          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
    *
    * partially update the specified EndpointSlice
    * @param name name of the EndpointSlice (required)
    * @param namespace
 object name and auth scope, such as for teams and projects (required)
    * @param body  (required)
    * @return APIpatchNamespacedEndpointSliceRequest
    * @http.response.details
    <table border="1">
      <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
/**
        * Set pretty
        * @param pretty If &#39;true&#39;, then the output is pretty printed. Defaults to &#39;false&#39; unless the
user-agent indicates a browser or command-line HTTP tool (curl and wget). (optional)
        * @return APIreadNamespacedEndpointSliceRequest
        */
/**
        * Build call for readNamespacedEndpointSlice
        * @param _callback ApiCallback API callback
        * @return Call to execute
         * @throws ApiException If fail to serialize the request body object
        * @http.response.details
        <table border="1">
      <caption>Response Details</caption>
          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
          <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
```

```
/**
     * Execute readNamespacedEndpointSlice request
     * @return V1EndpointSlice
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
      */
/**
     * Execute readNamespacedEndpointSlice request with HTTP info returned
     * @return ApiResponse&lt;V1EndpointSlice&gt;
     * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
     * @http.response.details
     <table border="1">
    <caption>Response Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
     * Execute readNamespacedEndpointSlice request (asynchronously)
     * @param _callback The callback to be executed when the API call finishes
     * @return The request call
     * @throws ApiException If fail to process the API call, e.g. serializing the request body object
     * @http.response.details
     <table border="1">
    <caption>Response
 Details</caption>
       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
       <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
     </table>
     */
/**
   *
   * read the specified EndpointSlice
   * @param name name of the EndpointSlice (required)
   * @param namespace object name and auth scope, such as for teams and projects (required)
   * @return APIreadNamespacedEndpointSliceRequest
   * @http.response.details
   <table border="1">
     <caption>Response Details</caption>
      <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
```

```
      <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
      <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
/**
      * Set pretty
      * @param pretty If &#39;true&#39;, then the output is pretty printed. Defaults to
 &#39;false&#39; unless the user-agent indicates a browser or command-line HTTP tool (curl and wget). (optional)
      * @return APIreplaceNamespacedEndpointSliceRequest
      */
/**
      * Build call for replaceNamespacedEndpointSlice
      * @param _callback ApiCallback API callback
      * @return Call to execute
      * @throws ApiException If fail to serialize the request body object
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute replaceNamespacedEndpointSlice request
      * @return V1EndpointSlice
      * @throws ApiException If fail to call the API, e.g.
 server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
        <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
        <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
      </table>
      */
/**
      * Execute replaceNamespacedEndpointSlice request with HTTP info returned
      * @return ApiResponse&lt;V1EndpointSlice&gt;
      * @throws ApiException If fail to call the API, e.g. server error or cannot deserialize the response body
      * @http.response.details
      <table border="1">
     <caption>Response Details</caption>
        <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
        <tr><td> 200 </td><td> OK </td><td>  -  </td></tr>
```

```
          <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
        * Execute replaceNamespacedEndpointSlice request (asynchronously)
        * @param _callback The callback to be executed when the API call finishes
        * @return The request call
        * @throws ApiException If fail to process the API call, e.g. serializing the request body object
        * @http.response.details
        <table border="1">
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          <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
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          <tr><td> 201 </td><td> Created </td><td>  -  </td></tr>
          <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
        </table>
        */
/**
    *
    * replace the specified EndpointSlice
    * @param name name of the EndpointSlice
 (required)
    * @param namespace object name and auth scope, such as for teams and projects (required)
    * @param body  (required)
    * @return APIreplaceNamespacedEndpointSliceRequest
    * @http.response.details
    <table border="1">
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       <tr><td> Status Code </td><td> Description </td><td> Response Headers </td></tr>
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       <tr><td> 401 </td><td> Unauthorized </td><td>  -  </td></tr>
    </table>
    */
```

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/apis/DiscoveryV1Api.java
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```
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```

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*/
/**
* EndpointsList is a list of endpoints. Deprecated: This API is deprecated in v1.33+.
*/
/**
  * Validates the JSON Element and throws an exception if issues found
  *
  * @param jsonElement JSON Element
  * @throws IOException if the JSON Element is invalid with respect to V1EndpointsList
  */
/**
  * Create an instance of V1EndpointsList given an JSON
 string
  *
  * @param jsonString JSON string
  * @return An instance of V1EndpointsList
  * @throws IOException if the JSON string is invalid with respect to V1EndpointsList
  */
/**
  * Convert an instance of V1EndpointsList to an JSON string
  *
  * @return JSON string
  */

Found in path(s):
* /client-java-api-24-0-0-sources-jar/io/kubernetes/client/openapi/models/V1EndpointsList.java

1.590 google-auth 2.40.3

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* [Brian Watson](https://github.com/bjwatson)

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* [Craig Citro](https://github.com/craigcitro)
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1.591 python-requests 2.32.4

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* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/HealthStatusManager.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/HealthServiceImpl.java
* /grpc-services-1-73-0-sources-jar/io/grpc/services/HealthStatusManager.java
*
 /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/ProtoReflectionService.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/ProtoReflectionServiceV1.java
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* /grpc-services-1-73-0-sources-jar/io/grpc/services/CallMetricRecorder.java
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new java.lang.String[] { "NumEventsLogged", "CreationTimestamp", "Events", });

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* /grpc-services-1-73-0-sources-jar/io/grpc/services/MetricReport.java
* /grpc-services-1-73-0-sources-jar/io/grpc/services/MetricRecorder.java
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```
/**
  * <pre>
  * Number of events ever logged in this tracing object. This can differ from
  * events.size() because events can be overwritten or garbage collected by
  * implementations.
  * </pre>
  *
  * <code>int64 num_events_logged = 1;</code>
  * @return The numEventsLogged.
  */
/**
    * <pre>
    * Number of events ever logged in this tracing object. This can differ from
    * events.size() because events can be overwritten or garbage collected by
    * implementations.
    * </pre>
    *
    * <code>int64 num_events_logged = 1;</code>
    * @param value The numEventsLogged to set.
    * @return This builder for chaining.
    */
```

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```
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  * Number of events ever logged in this tracing object. This can differ from
  * events.size() because events can be overwritten or garbage collected by
  * implementations.
  * </pre>
  *
  * <code>int64 num_events_logged = 1;</code>
  * @return The numEventsLogged.
  */
```

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* /grpc-services-1-73-0-sources-
jar/io/grpc/protobuf/services/internal/HealthCheckingRoundRobinLoadBalancerProvider.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/BinaryLogSink.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/HealthCheckingLoadBalancerUtil.java
*
 /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/HealthCheckingLoadBalancerFactory.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/InetAddressUtil.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/ChannelzService.java
* /grpc-services-1-73-0-sources-jar/io/grpc/services/ChannelzService.java
* /grpc-services-1-73-0-sources-jar/io/grpc/protobuf/services/ChannelzProtoUtil.java

1.593 grpc-protobuf 1.73.0

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* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/AbstractBlockingStub.java
* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/InternalClientCalls.java

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* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/ServerCallStreamObserver.java
* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/ClientCallStreamObserver.java

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* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/MetadataUtils.java
* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/AbstractStub.java
* /grpc-stub-1-73-0-sources-jar/io/grpc/stub/ClientCalls.java

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Found in path(s):
* /grpc-util-1-73-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
* /grpc-util-1-73-0-sources-jar/io/grpc/util/package-info.java
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* /grpc-util-1-73-0-sources-jar/io/grpc/util/MultiChildLoadBalancer.java
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1.596 msgpack 1.1.1

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1.597 postgresql-jdbc 42.7.7

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* com.ongres.scram:scram-common:3.1
* com.ongres.stringprep:saslprep:2.2
* com.ongres.stringprep:stringprep:2.2

1.598 protobuf-java 3.25.8

1.598.1 Available under license :

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java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList();
getEditionDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
if (!getEditionDefaultsList()
.equals(other.getEditionDefaultsList())) return false;
hash = (53 * hash) + getEditionDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
getDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
if (!getDefaultsList()
.equals(other.getDefaultsList())) return false;
hash
 = (53 * hash) + getDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
getLeadingDetachedCommentsList();
getLeadingDetachedCommentsList() {
size += 1 * getLeadingDetachedCommentsList().size();
if (!getLeadingDetachedCommentsList()
.equals(other.getLeadingDetachedCommentsList())) return false;
hash = (53 * hash) + getLeadingDetachedCommentsList().hashCode();
getLeadingDetachedCommentsList() {

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* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ProtocolStringList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SingleFieldBuilder.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ProtobufArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Android.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageOrBuilder.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Java8Compatibility.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TypeRegistry.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/DynamicMessage.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ByteBufferWriter.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TextFormat.java

*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Parser.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageInfoFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/DoubleArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/IterableByteBufferInputStream.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemaFull.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CompileTimeConstant.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RepeatedFieldBuilder.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RpcCallback.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ProtoSyntax.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RopeByteString.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ServiceException.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CodedInputStream.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistryFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Internal.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemaLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemaLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/OneofInfo.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/StructuralMessageInfo.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemas.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CodedInputStreamReader.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageSetSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LazyFieldLite.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TextFormatEscaper.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ManifestSchemaFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NioByteString.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RawMessageInfo.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/AbstractMessage.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageInfoFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TextFormatParseLocation.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/TextFormatParseInfoTree.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageLiteOrBuilder.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetLiteSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/JavaType.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BufferAllocator.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/AbstractProtobufList.java
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 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BlockingService.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RpcController.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistry.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Schema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/FloatArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/FieldSet.java

* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/InlineMe.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/GeneratedMessage.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Utf8.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/FieldInfo.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BlockingRpcChannel.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Protobuf.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionLite.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapEntry.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/WireFormat.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RepeatedFieldBuilderV3.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/IntArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BinaryReader.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSet.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LazyField.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Reader.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemaFull.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemaFull.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/FieldType.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CheckReturnValue.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemaLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LazyStringArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CodedOutputStream.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemas.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/InvalidProtocolBufferException.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnsafeUtil.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SchemaUtil.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BooleanArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/DescriptorMessageInfoFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LegacyDescriptorsUtil.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RpcUtil.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageLiteToString.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Service.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/AbstractMessageLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Extension.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ByteString.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CodedOutputStreamWriter.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SmallSortedMap.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ByteOutput.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/PrimitiveNonBoxingCollection.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MutabilityOracle.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ListFieldSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Message.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageV3.java

* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/CanIgnoreReturnValue.java
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 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistryLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UninitializedMessageException.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageReflection.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnsafeByteOperations.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapEntryLite.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldBuilder.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Descriptors.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/DiscardUnknownFieldsParser.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/UnmodifiableLazyStringList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ProtocolMessageEnum.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/Writer.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemas.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageInfo.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LongArrayList.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ArrayDecoders.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/ExperimentalApi.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SchemaFactory.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/SingleFieldBuilderV3.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/AbstractParser.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/AllocatedBuffer.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldReflectionAccessor.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapFieldSchema.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MapField.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/LazyStringList.java
*
 /protobuf-java-3-25-8-sources-jar/com/google/protobuf/BinaryWriter.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/RpcChannel.java
* /protobuf-java-3-25-8-sources-jar/com/google/protobuf/MessageSchema.java

1.599 byte-buddy 1.17.6

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1.600 urllib3 2.5.0

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1.602 grpc-netty 1.73.0

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1.603 grpc-auth 1.73.0

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/**
  * Converts a Google Auth Library {@link Credentials} to {@link CallCredentials}.
  *
  * <p>Although this is a stable API, note that the returned instance's API is not stable. You are
  * free to use the class name {@code CallCredentials} and pass the instance to other code, but the
  * instance can't be called directly
 from code expecting stable behavior. See {@link
  * CallCredentials}.
  */
```

Found in path(s):
* /grpc-auth-1-73-0-sources-jar/io/grpc/auth/MoreCallCredentials.java

1.604 oauthlib 3.3.1

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1.605 protobuf-java 4.31.0

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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RepeatedFieldBuilderV3.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/SingleFieldBuilderV3.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/GeneratedMessageV3.java
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Found in path(s):
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/BufferAllocator.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/AllocatedBuffer.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/DiscardUnknownFieldsParser.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Protobuf.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CodedInputStreamReader.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/LazyStringArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/AbstractMessageLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/WireFormat.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ArrayDecoders.java

* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/GeneratedMessage.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MutabilityOracle.java
*
 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RepeatedFieldBuilder.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapEntryLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/SchemaUtil.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/LazyField.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/UninitializedMessageException.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/DoubleArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CodedOutputStream.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapEntry.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/InlineMe.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/BooleanArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageSetSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Parser.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldSchemas.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/LazyStringList.java
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 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/IntArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Writer.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/IterableByteBufferInputStream.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/LazyFieldLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Internal.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageInfo.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/DynamicMessage.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RpcController.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/FieldType.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/SingleFieldBuilder.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Message.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Generated.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/NewInstanceSchemaLite.java
*
 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/FieldSet.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/NewInstanceSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/BlockingRpcChannel.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldReflectionAccessor.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Java8Compatibility.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CodedOutputStreamWriter.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CheckReturnValue.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Android.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CodedInputStream.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/AbstractMessage.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Schema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Utf8.java
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 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/LongArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Service.java

* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ProtocolStringList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/Descriptors.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionRegistry.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ListFieldSchemaLite.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RawMessageInfo.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/UnknownFieldSetLiteSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ServiceException.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/JavaType.java
*
/protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageLiteToString.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/TextFormatParseLocation.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/UnknownFieldSet.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/BlockingService.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldSchemaLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/UnknownFieldSetSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/InvalidProtocolBufferException.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldBuilder.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ListFieldSchemaFull.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ListFieldSchemas.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/FieldInfo.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageInfoFactory.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionSchemaFull.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ListFieldSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionRegistryFactory.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/OneofInfo.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ByteBufferWriter.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RuntimeVersion.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionRegistryLite.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ByteOutput.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/TextFormat.java
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 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/AbstractProtobufList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/SchemaFactory.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/BinaryReader.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageReflection.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/TextFormatParseInfoTree.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageSchema.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RpcCallback.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ManifestSchemaFactory.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ProtoSyntax.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/RpcUtil.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapField.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MessageLiteOrBuilder.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/NewInstanceSchemas.java
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* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ProtobufArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/TypeRegistry.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/UnmodifiableLazyStringList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/MapFieldSchemaFull.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/FloatArrayList.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionSchemas.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CanIgnoreReturnValue.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/CompileTimeConstant.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ExtensionLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/GeneratedMessageLite.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/ProtocolMessageEnum.java
*
 /protobuf-java-4-31-0-sources-jar/com/google/protobuf/GeneratedMessageInfoFactory.java
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/PrimitiveNonBoxingCollection.java
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java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList();
getEditionDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
if (!getEditionDefaultsList()
.equals(other.getEditionDefaultsList())) return false;
hash = (53 * hash) + getEditionDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
getDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>

getDefaultsList() {
if (!getDefaultsList()
.equals(other.getDefaultsList())) return false;
hash
 = (53 * hash) + getDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
getLeadingDetachedCommentsList();
getLeadingDetachedCommentsList() {
size += 1 * getLeadingDetachedCommentsList().size();
if (!getLeadingDetachedCommentsList()
.equals(other.getLeadingDetachedCommentsList())) return false;
hash = (53 * hash) + getLeadingDetachedCommentsList().hashCode();
getLeadingDetachedCommentsList() {

Found in path(s):
* /protobuf-java-4-31-0-sources-jar/com/google/protobuf/DescriptorProtos.java

1.606 zstd 1.5.2

1.606.1 Available under license :

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1.607 zstd 1.5.6

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/google-http-client-1-47-0-sources-jar/com/google/api/client/util/IOUtils.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/StringUtils.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/JsonObjectParser.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/util/package-info.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/EmptyContent.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/LoggingInputStream.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpMediaType.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/LoggingByteArrayOutputStream.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/GZipEncoding.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/StreamingContent.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpRequest.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/Json.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/apache/package-info.java
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 /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpContent.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/javanet/NetHttpRequest.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpTransport.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/GenericUrl.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/javanet/NetHttpResponse.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/package-info.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpResponseException.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/json/package-info.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/escape/package-info.java

* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/UrlEncodedParser.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/package-info.java
*
/google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpExecuteInterceptor.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/LowLevelHttpResponse.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/apache/ApacheHttpRequest.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/DateTime.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/javanet/NetHttpTransport.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/escape/Platform.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpResponse.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/apache/ContentEntity.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/apache/ApacheHttpResponse.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/http/MockLowLevelHttpResponse.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/JsonParser.java
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/google-http-client-1-47-0-sources-jar/com/google/api/client/util/DataMap.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/CustomizeJsonParser.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpHeaders.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Key.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/escape/PercentEscaper.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/package-info.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/http/MockLowLevelHttpRequest.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/javanet/package-info.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/JsonGenerator.java
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/google-http-client-1-47-0-sources-jar/com/google/api/client/http/LowLevelHttpRequest.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/escape/UnicodeEscaper.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpResponseInterceptor.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/GenericData.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/http/HttpTesting.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/DataStoreFactory.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/apache/SSLSocketFactoryExtension.java
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/google-http-client-1-47-0-sources-jar/com/google/api/client/testing/json/MockJsonParser.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Lists.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Preconditions.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/FileDataStoreFactory.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/package-info.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/json/package-info.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/json/JsonPolymorphicTypeMap.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpBackOffUnsuccessfulResponseHandler.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/util/SecurityTestUtils.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Charsets.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Collections2.java
*
/google-http-client-1-47-0-sources-jar/com/google/api/client/util/Joiner.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/util/TestableByteArrayInputStream.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpBackOffIOExceptionHandler.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/HttpIOExceptionHandler.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/PemReader.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/util/TestableByteArrayOutputStream.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/ByteStreams.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/Strings.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/DataStore.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/testing/util/MockSleeper.java
*
/google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/AbstractDataStore.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/SecurityUtils.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/AbstractMemoryDataStore.java
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* /google-http-client-1-47-0-sources-jar/com/google/api/client/http/MultipartContent.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/store/AbstractDataStoreFactory.java
* /google-http-client-1-47-0-sources-jar/com/google/api/client/util/BackOffUtils.java

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1.611 charset-normalizer 3.4.2

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1.615 pyproject-hooks 1.2.0

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   * available).
   *
   * <p>If other manager sources are available (e.g., {@code getPrivateKey() != null}), then they
   * may be alternative representations of the same configuration and the consumer is free to use
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* /grpc-api-1-73-0-sources-jar/io/grpc/PartialForwardingClientCallListener.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ChannelLogger.java

* /grpc-api-1-73-0-sources-jar/io/grpc/LoadBalancerRegistry.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/SynchronizationContext.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalChannelz.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalClientInterceptors.java
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* /grpc-api-1-73-0-sources-jar/io/grpc/PersistentHashArrayMappedTrie.java
* /grpc-api-1-73-0-sources-jar/io/grpc/StreamTracer.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalServiceProviders.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ServerStreamTracer.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/InternalStatus.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ProxyDetector.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalInstrumented.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalWithLogId.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalServerInterceptors.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ClientStreamTracer.java
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* /grpc-api-1-73-0-sources-jar/io/grpc/InternalMayRequireSpecificExecutor.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalServerProvider.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalManagedChannelProvider.java
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* /grpc-api-1-73-0-sources-jar/io/grpc/ProxiedSocketAddress.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalCallOptions.java
* /grpc-api-1-73-0-sources-jar/io/grpc/HttpConnectProxiedSocketAddress.java
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* /grpc-api-1-73-0-sources-jar/io/grpc/ForwardingClientCallListener.java
* /grpc-api-1-73-0-sources-jar/io/grpc/package-info.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/Codec.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ManagedChannelProvider.java
* /grpc-api-1-73-0-sources-jar/io/grpc/DecompressorRegistry.java
* /grpc-api-1-73-0-sources-jar/io/grpc/PartialForwardingServerCallListener.java
* /grpc-api-1-73-0-sources-jar/io/grpc/CallOptions.java
* /grpc-api-1-73-0-sources-jar/io/grpc/CompressorRegistry.java
* /grpc-api-1-73-0-sources-jar/io/grpc/PartialForwardingServerCall.java
* /grpc-api-1-73-0-sources-jar/io/grpc/Decompressor.java
* /grpc-api-1-73-0-sources-jar/io/grpc/Context.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ForwardingServerCallListener.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ForwardingClientCall.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ForwardingServerCall.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalStatusRuntimeException.java
* /grpc-api-1-73-0-sources-jar/io/grpc/StatusException.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ExperimentalApi.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ServerProvider.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/NameResolver.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ManagedChannel.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ManagedChannelBuilder.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ServerBuilder.java
* /grpc-api-1-73-0-sources-jar/io/grpc/Contexts.java
* /grpc-api-1-73-0-sources-jar/io/grpc/Internal.java
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/**
   * Key managers and trust managers may be specified as {@link KeyManager} and {@link
   * TrustManager} objects. This feature by itself only implies {@link #getKeyManagers()} needs to
   * be observed. But along with {@link #MTLS}, then {@link #getTrustManagers()} needs to be
   * observed as well. When a manager is
 non-{@code null}, then it is wholly responsible for key
   * or trust material and usage; there is no need to check other manager sources like {@link
   * #getCertificateChain()} or {@link #getPrivateKey()} (if {@code KeyManager} is available), or
   * {@link #getRootCertificates()} (if {@code TrustManager} is available).
   *
   * <p>If other manager sources are available (e.g., {@code getPrivateKey() != null}), then they
   * may be alternative representations of the same configuration and the consumer is free to use
   * those alternative representations if it prefers. But before doing so it <em>must</em> first
   * check that it understands that alternative representation by using {@link #incomprehensible}
   * <em>without</em> the {@code CUSTOM_MANAGERS} feature.
   */
```

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* /grpc-api-1-73-0-sources-jar/io/grpc/InsecureServerCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ForwardingServerBuilder.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ManagedChannelRegistry.java
* /grpc-api-1-73-0-sources-jar/io/grpc/HasByteBuffer.java

*
 /grpc-api-1-73-0-sources-jar/io/grpc/ChannelCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalServer.java
* /grpc-api-1-73-0-sources-jar/io/grpc/CompositeCallCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ServerCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalConfigSelector.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ChoiceServerCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/CompositeChannelCredentials.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ServerRegistry.java
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* /grpc-api-1-73-0-sources-jar/io/grpc/MetricInstrumentRegistry.java
* /grpc-api-1-73-0-sources-jar/io/grpc/CallbackMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/PartialMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/MetricSink.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/DoubleHistogramMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/LongHistogramMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalTimeUtils.java
* /grpc-api-1-73-0-sources-jar/io/grpc/LongCounterMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/MetricRecorder.java
* /grpc-api-1-73-0-sources-jar/io/grpc/DoubleCounterMetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/TimeUtils.java
* /grpc-api-1-73-0-sources-jar/io/grpc/IgnoreJRERequirement.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalConfigurator.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalManagedChannelBuilder.java
* /grpc-api-1-73-0-sources-jar/io/grpc/StatusOr.java
* /grpc-api-1-73-0-sources-jar/io/grpc/Configurator.java
* /grpc-api-1-73-0-sources-jar/io/grpc/InternalConfiguratorRegistry.java

* /grpc-api-1-73-0-sources-jar/io/grpc/MetricInstrument.java
* /grpc-api-1-73-0-sources-jar/io/grpc/ConfiguratorRegistry.java
*
 /grpc-api-1-73-0-sources-jar/io/grpc/LongGaugeMetricInstrument.java
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1.621 grpc-core 1.73.0

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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ThreadOptimizedDeframer.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/TimeProvider.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ForwardingNameResolver.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/GzipInflatingBuffer.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/TransportTracer.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/LongCounterFactory.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/FixedObjectPool.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/MaxConnectionIdleManager.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/Framer.java
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/**
   * Constructor.
   *
   * @param retryEnabled when false, the argument maxRetryAttemptsLimit will have no effect.
   */
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/SquelchLateMessagesAvailableDeframerListener.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/FailingClientStream.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ManagedChannelImpl.java
*
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ConnectionClientTransport.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ObjectPool.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ManagedClientTransport.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/MetadataApplierImpl.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/InUseStateAggregator.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/KeepAliveManager.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/FailingClientTransport.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/SharedResourcePool.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/LogExceptionRunnable.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/Http2Ping.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/DnsNameResolver.java
*
 /grpc-core-1-73-0-sources-jar/io/grpc/internal/ExponentialBackoffPolicy.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/ServerTransport.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/BackoffPolicy.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/InternalServer.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/InternalSubchannel.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/WritableBuffer.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/DnsNameResolverProvider.java
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* /grpc-core-1-73-0-sources-jar/io/grpc/internal/RetryScheduler.java
* /grpc-core-1-73-0-sources-jar/io/grpc/internal/NameResolverFactoryToProviderFacade.java
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1.622 grpc-protobuf-lite 1.73.0

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nSwXX+2o0J/nF85fm4AwWKAc
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* /grpc-testing-1-73-0-sources-jar/io/grpc/testing/TlsTesting.java
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* Version 1.1 1 Aug 2013 Mark Adler
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---
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Coda Hale's Golang HdrHistogram https://github.com/codahale/hdrhistogram
at revision 3a0bb77429bd3a61596f5e8a3172445844342120

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src/rdxxhash.[ch] src/lz4*.[ch]: git@github.com:lz4/lz4.git 5ff839680134437dbf4678f3d0c7b371d84f4964

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parts of src/rdmurmur2.c: git@github.com:abrandoned/murmur2.git

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at revision 3a0bb77429bd3a61596f5e8a3172445844342120

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1.631 typing-extensions 4.14.1

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==========

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

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

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

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Zope Corporation was a sponsoring member of the PSF.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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* /spring-kafka-3-2-1-sources-jar/org/springframework/kafka/annotation/KafkaListenerConfigurationSelector.java

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* /spring-kafka-3-2-1-sources-jar/org/springframework/kafka/listener/LoggingCommitCallback.java
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jar/org/springframework/kafka/support/micrometer/KafkaListenerObservationConvention.java
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* /spring-kafka-3-2-1-sources-jar/org/springframework/kafka/listener/ManualAckListenerErrorHandler.java
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see https://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes

1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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1.634 caffeine 3.0.3

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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSR.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FD.java
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 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMSAR.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWAWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWAWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSAWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWAR.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/NodeFactory.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSAWMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILWR.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWAW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMWW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWAMW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDARMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSAWRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWARMW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWAWRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLAWR.java

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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWRMW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSA.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMS.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDWMS.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSAMS.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIL.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSAWR.java
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 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMWW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWAWRMS.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSAW.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAMS.java
*
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSWR.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSAWR.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSAMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMWAWR.java
*
/caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMWW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMWW.java
*
/caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PD.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSAWMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMWW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WS.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLR.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWAWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILAWR.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDAMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWWMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDWMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSL.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLAW.java
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*
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSRMW.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWA.java
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 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMWAW.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalCacheFactory.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSWRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMSAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWWRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAWRMS.java
*
/caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDAWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMSAWR.java
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*
/caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMS.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSARMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMWWR.java
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/caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDWRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLWR.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSWR.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMS.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMS.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILSMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSL.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PDAWMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WISR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMSR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSMWW.java
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 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDARMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SISMSWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FDWRMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILSMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PSRMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WILMSAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FSMS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSW.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWA.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/PS.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SILMWAR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SIMSW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLMWWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSSMWAWR.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WSLSAW.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WIMSAWR.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SSLSMSAW.java
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```

Found in path(s):
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalAsyncCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/AsyncCache.java
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*/
```

Found in path(s):
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/AsyncCacheLoader.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/CaffeineSpec.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/package-info.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Async.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/References.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/BoundedBuffer.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/package-info.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Node.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/GuardedStatsCounter.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/FrequencySketch.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/SerializationProxy.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalManualCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalAsyncLoadingCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalLoadingCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Buffer.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LocalCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WriteThroughEntry.java
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* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/WriteOrderDeque.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Cache.java

* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/BoundedLocalCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Ticker.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Weigher.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Policy.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/DisabledStatsCounter.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/Caffeine.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/AsyncLoadingCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LoadingCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/CacheStats.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/LinkedDeque.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/RemovalListener.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/CacheLoader.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/RemovalCause.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/AccessOrderDeque.java
*
 /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/ConcurrentStatsCounter.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/UnboundedLocalCache.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/AbstractLinkedDeque.java
* /caffeine-3-0-3-sources-1-jar/com/github/benmanes/caffeine/cache/stats/StatsCounter.java
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zlib.h -- interface of the 'zlib' general purpose compression library
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Multi-producer/multi-consumer bounded queue.

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1.636 kotlin-scripting-common 1.9.25-release-852

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Found in path(s):
* /kotlin-scripting-common-1-9-25-sources-jar/kotlin/script/experimental/host/BasicScriptingHost.kt

1.637 kotlin-script-runtime 1.9.25-release-852

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* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/experimental/dependencies/AsyncDependenciesResolver.kt
* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/experimental/dependencies/resolvers.kt
* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/experimental/dependencies/dependencies.kt
*
/kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/dependencies/resolvers_deprecated.kt
* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/templates/annotations.kt
* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/extensions/samWithReceiver.kt
* /kotlin-script-runtime-1-9-25-sources-jar/kotlin/script/dependencies/dependencies_deprecated.kt
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Found in path(s):
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1.638 protobuf-java-util 3.25.8

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java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList();
getEditionDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
if (!getEditionDefaultsList()
.equals(other.getEditionDefaultsList())) return false;
hash = (53 * hash) + getEditionDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.OptionTargetType> getTargetsList() {
public java.util.List<com.google.protobuf.DescriptorProtos.FieldOptions.EditionDefault> getEditionDefaultsList() {
getDefaultsList();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
if (!getDefaultsList()
.equals(other.getDefaultsList())) return false;
hash
 = (53 * hash) + getDefaultsList().hashCode();
public java.util.List<com.google.protobuf.DescriptorProtos.FeatureSetDefaults.FeatureSetEditionDefault>
getDefaultsList() {
getLeadingDetachedCommentsList();
getLeadingDetachedCommentsList() {
size += 1 * getLeadingDetachedCommentsList().size();
if (!getLeadingDetachedCommentsList()
.equals(other.getLeadingDetachedCommentsList())) return false;
hash = (53 * hash) + getLeadingDetachedCommentsList().hashCode();
getLeadingDetachedCommentsList() {

Found in path(s):
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/DescriptorProtos.java
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Found in path(s):
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/FieldMaskUtil.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ByteOutput.java

* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RpcCallback.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/InlineMe.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UninitializedMessageException.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ArrayDecoders.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Internal.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/Durations.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RpcChannel.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/DescriptorMessageInfoFactory.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnmodifiableLazyStringList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Message.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/TypeRegistry.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/TextFormatParseInfoTree.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/NioByteString.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/FloatArrayList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LazyStringArrayList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageSetSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemaLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/OneofInfo.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RepeatedFieldBuilderV3.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/AllocatedBuffer.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CheckReturnValue.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Parser.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Writer.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ProtoSyntax.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RpcController.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Utf8.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Java8Compatibility.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldBuilder.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/WireFormat.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldReflectionAccessor.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/DiscardUnknownFieldsParser.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExperimentalApi.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/InvalidProtocolBufferException.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BufferAllocator.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BooleanArrayList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RpcUtil.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ProtocolMessageEnum.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageReflection.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/TextFormatEscaper.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageInfoFactory.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ProtocolStringList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/DoubleArrayList.java

*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapField.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ServiceException.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemaLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CodedInputStream.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/TextFormat.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RawMessageInfo.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistry.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageOrBuilder.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemaFull.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistryLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapEntryLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CanIgnoreReturnValue.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/AbstractMessage.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CodedOutputStreamWriter.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RepeatedFieldBuilder.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/SingleFieldBuilder.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Extension.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageLiteOrBuilder.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemas.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/RopeByteString.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/StructuralMessageInfo.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CodedInputStreamReader.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/FieldType.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CodedOutputStream.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/FieldSet.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/PrimitiveNonBoxingCollection.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageInfo.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Descriptors.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/Structs.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ManifestSchemaFactory.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Schema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/AbstractProtobufList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageLiteToString.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/Timestamps.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/CompileTimeConstant.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ProtobufArrayList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/SmallSortedMap.java
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* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BinaryReader.java

* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemaLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BlockingRpcChannel.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemas.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Android.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapFieldSchemaFull.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnsafeByteOperations.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ByteString.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LazyField.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionRegistryFactory.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/Values.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LazyFieldLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/FieldMaskTree.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/IntArrayList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/TextFormatParseLocation.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/SingleFieldBuilderV3.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ListFieldSchema.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetLiteSchema.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ByteBufferWriter.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSet.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/IterableByteBufferInputStream.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/SchemaUtil.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/AbstractParser.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BlockingService.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Reader.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LazyStringList.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/DynamicMessage.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Protobuf.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/util/JsonFormat.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/AbstractMessageLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/GeneratedMessage.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MessageInfoFactory.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/SchemaFactory.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/GeneratedMessageV3.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnsafeUtil.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/Service.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/BinaryWriter.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionSchemas.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/JavaType.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/FieldInfo.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/ExtensionSchema.java
*
 /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/UnknownFieldSetLite.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LegacyDescriptorsUtil.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/LongArrayList.java

* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/NewInstanceSchemaFull.java
* /protobuf-java-util-3-25-8-sources-jar/com/google/protobuf/MapEntry.java

1.639 openssl 1.1.1zc

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END OF TERMS AND CONDITIONS

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to attach them to the start of each source file to most effectively
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<one line to give the program's name and a brief idea of what it does.>
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Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c'
for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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library. If this is what you want to do, use the GNU Library General
Public
License instead of this License.

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executable
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c) give non-standard executables non-standard names, and clearly

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The End

1.640 client-java 24.0.0

1.640.1 Available under license :

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*/

Found in path(s):
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/TransformFunc.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/exception/ObjectTransformException.java
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*/

Found in path(s):
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesListObject.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ApiInvocation.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesObject.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/Dynamics.java

*
/client-java-24-0-0-sources-jar/io/kubernetes/client/util/okhttp/HTTP2ConsoleHandler.java
* /client-java-24-0-0-sources-
jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesTypeAdaptorFactory.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/okhttp/HTTP2Logging.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/RetryUtils.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/LegacyJSON.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/exception/WatchExpiredException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesApi.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/Preconditions.java
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*/

Found in path(s):
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/PatchOptions.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/Exec.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/CSRSigningException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/GetOptions.java
*
/client-java-24-0-0-sources-jar/io/kubernetes/client/util/Threads.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/GroupVersionResource.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/PodLogs.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/Authentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/TokenFileAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/CSRUtils.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/KubernetesRequestDigest.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/ProcessorListener.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/Store.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/exception/BadNotificationException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/KubernetesVerb.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ListAccessor.java
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/client-java-24-0-0-sources-jar/io/kubernetes/client/TreeNode.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/Config.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/KubeConfig.java

* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/ListOptions.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/KubernetesApiResponse.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/ResourceEventHandler.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/Lister.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/SharedInformer.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ObjectAccessor.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/authenticators/OpenIDConnectAuthenticator.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/KubernetesConstants.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/DeltaFIFO.java
*
/client-java-24-0-0-sources-jar/io/kubernetes/client/ProtoClient.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/KubernetesResource.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/TypeMetaReflectException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/wait/Wait.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/UpdateOptions.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/labels/EqualityMatcher.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/Yaml.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/SharedProcessor.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/GroupVersion.java
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* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/labels/Labels.java
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*
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* /client-java-24-0-0-sources-jar/io/kubernetes/client/monitoring/Monitoring.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/SharedIndexInformer.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/ParseKubernetesResourceException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/CallGeneratorParams.java
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* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/labels/LabelMatcher.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/ResyncRunnable.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/Copy.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/GenericKubernetesApi.java

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/client-java-24-0-0-sources-jar/io/kubernetes/client/util/labels/LabelSelector.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/CreateOptions.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/Namespaces.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/WebSockets.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/ClientCertificateAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/labels/SetMatcher.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/PatchUtils.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/Attach.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ProxyContentTypeRequestBody.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/generic/options/DeleteOptions.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ModelMapper.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/ClientBuilder.java
*
/client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/AccessTokenAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/Caches.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/impl/DefaultSharedIndexInformer.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/authenticators/GCPAuthenticator.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/taints/Taints.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/PortForward.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/conversion/Jobs.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/Controller.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/GroupVersionKind.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/WebSocketStreamHandler.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/apimachinery/NamespaceName.java
*
/client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/Cache.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/ObjectMetaReflectException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/KubeconfigAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/CSRNotApprovedException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/version/Version.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/Strings.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/UsernamePasswordAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/informer/cache/ReflectorRunnable.java
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*/

Found in path(s):
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/TokenAquisitionException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/RefreshAuthentication.java
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Found in path(s):
* /client-java-24-0-0-sources-jar/io/kubernetes/client/simplified/Deployments.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/exception/IncompleteDiscoveryException.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/util/credentials/EKSAuthentication.java
* /client-java-24-0-0-sources-jar/io/kubernetes/client/simplified/Pods.java
*
 /client-java-24-0-0-sources-jar/io/kubernetes/client/simplified/Namespaces.java

1.641 client-java-proto 24.0.0

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getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Rbac.Subject> getSubjectsList() {
getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Rbac.Subject> getSubjectsList() {

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1beta1Rbac.java

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```
getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1alpha1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1alpha1Rbac.Subject> getSubjectsList() {
getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1alpha1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1alpha1Rbac.Subject> getSubjectsList() {
```

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1alpha1Rbac.java
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```
// @@protoc_insertion_point(interface_extends:k8s.io.api.core.v1.EndpointsList)
/**
 * <pre>
 * EndpointsList is a list of endpoints.
 * </pre>
 *
 * Protobuf type {@code k8s.io.api.core.v1.EndpointsList}
 */
// @@protoc_insertion_point(message_implements:k8s.io.api.core.v1.EndpointsList)
// Use EndpointsList.newBuilder() to construct.
// @@protoc_insertion_point(builder_implements:k8s.io.api.core.v1.EndpointsList)
// Construct using io.kubernetes.client.proto.V1.EndpointsList.newBuilder()
// @@protoc_insertion_point(builder_scope:k8s.io.api.core.v1.EndpointsList)
// @@protoc_insertion_point(class_scope:k8s.io.api.core.v1.EndpointsList)
/**
   * <pre>
   * type determines how the Service is exposed. Defaults to ClusterIP. Valid
   * options are ExternalName, ClusterIP, NodePort, and LoadBalancer.
   * "ClusterIP" allocates a cluster-internal IP address for load-balancing
   * to endpoints. Endpoints
 are determined by the selector or if that is not
   * specified, by manual construction of an Endpoints object or
   * EndpointSlice objects. If clusterIP is "None", no virtual IP is
   * allocated and the endpoints are published as a set of endpoints rather
   * than a virtual IP.
   * "NodePort" builds on ClusterIP and allocates a port on every node which
   * routes to the same endpoints as the clusterIP.
   * "LoadBalancer" builds on NodePort and creates an external load-balancer
   * (if supported in the current cloud) which routes to the same endpoints
```

```
   * as the clusterIP.
   * "ExternalName" aliases this service to the specified externalName.
   * Several other fields do not apply to ExternalName services.
   * More info: https://kubernetes.io/docs/concepts/services-networking/service/#publishing-services-service-types
   * +optional
   * </pre>
   *
   * <code>optional string type = 4;</code>
   * @return Whether the type field is set.
    */
/**
   * <pre>
   * publishNotReadyAddresses indicates that any agent which deals with endpoints for this
   * Service should disregard any indications of ready/not-ready.
   * The primary use case for setting this field is for a StatefulSet's Headless Service to
   * propagate SRV DNS records for its Pods for the purpose of peer discovery.
   * The Kubernetes controllers that generate Endpoints and EndpointSlice resources for
   * Services interpret this to mean that all endpoints are considered "ready" even if the
   * Pods themselves are not. Agents which consume only Kubernetes generated endpoints
   * through the Endpoints or EndpointSlice resources can safely assume this behavior.
   * +optional
   * </pre>
   *
   * <code>optional bool publishNotReadyAddresses = 13;</code>
   * @return Whether the publishNotReadyAddresses field is set.
   */
```

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1.java
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```
getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Rbac.Subject> getSubjectsList() {
getSubjectsList();
public java.util.List<io.kubernetes.client.proto.V1Rbac.Subject> getSubjectsList() {
if (!getSubjectsList()
.equals(other.getSubjectsList())) return false;
hash = (53 * hash) + getSubjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Rbac.Subject> getSubjectsList() {
```

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* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1Rbac.java
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getTokenRequestsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Storage.TokenRequest> getTokenRequestsList() {
if (!getTokenRequestsList()
.equals(other.getTokenRequestsList())) return false;
hash = (53 * hash) + getTokenRequestsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Storage.TokenRequest> getTokenRequestsList() {

Found in path(s):
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getObjectsList();
public java.util.List<io.kubernetes.client.proto.Runtime.RawExtension> getObjectsList() {
if (!getObjectsList()
.equals(other.getObjectsList())) return false;
hash = (53 * hash) + getObjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.Runtime.RawExtension> getObjectsList() {
getConvertedObjectsList();
public java.util.List<io.kubernetes.client.proto.Runtime.RawExtension> getConvertedObjectsList() {
if (!getConvertedObjectsList()
.equals(other.getConvertedObjectsList())) return false;
hash = (53 * hash) + getConvertedObjectsList().hashCode();
public java.util.List<io.kubernetes.client.proto.Runtime.RawExtension> getConvertedObjectsList() {

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1beta1Apiextensions.java
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getTokenRequestsList();
public java.util.List<io.kubernetes.client.proto.V1Storage.TokenRequest> getTokenRequestsList() {
if (!getTokenRequestsList()
.equals(other.getTokenRequestsList())) return false;
hash = (53 * hash) + getTokenRequestsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Storage.TokenRequest> getTokenRequestsList() {

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1Storage.java
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getPortsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.IngressPortStatus> getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.IngressPortStatus> getPortsList() {
getHostsList();
getHostsList() {
size += 1 * getHostsList().size();

```
if (!getHostsList()
.equals(other.getHostsList())) return false;
hash = (53 * hash) + getHostsList().hashCode();
getHostsList() {
getPortsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.NetworkPolicyPort> getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.NetworkPolicyPort> getPortsList() {
getPortsList();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.NetworkPolicyPort>
 getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1beta1Extensions.NetworkPolicyPort> getPortsList() {
```

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1beta1Extensions.java
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```
getPortsList();
public java.util.List<io.kubernetes.client.proto.V1Networking.IngressPortStatus> getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Networking.IngressPortStatus> getPortsList() {
getHostsList();
getHostsList() {
size += 1 * getHostsList().size();
if (!getHostsList()
.equals(other.getHostsList())) return false;
hash = (53 * hash) + getHostsList().hashCode();
getHostsList() {
getPortsList();
public java.util.List<io.kubernetes.client.proto.V1Networking.NetworkPolicyPort> getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Networking.NetworkPolicyPort> getPortsList() {
getPortsList();
public java.util.List<io.kubernetes.client.proto.V1Networking.NetworkPolicyPort>
 getPortsList() {
if (!getPortsList()
.equals(other.getPortsList())) return false;
hash = (53 * hash) + getPortsList().hashCode();
public java.util.List<io.kubernetes.client.proto.V1Networking.NetworkPolicyPort> getPortsList() {
```

Found in path(s):
* /client-java-proto-24-0-0-sources-jar/io/kubernetes/client/proto/V1Networking.java

1.642 binutils 2.44-r2

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 02110-1301, USA.  */


#ifndef __VTV_H__
#define __VTV_H__

/* We could have used an enumeration here but it just makes it more
  difficult for the compiler to generate a call to this.  These are
  used as arguments to the function __VLTChangePermission, declared
  below.  */
#define __VLTP_READ_ONLY  0
#define __VLTP_READ_WRITE 1

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size.  */
#define VTV_PAGE_SIZE 4096
#else
#if defined(__sun__) && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
 be 4, 16 or 64 KiB.
  For now, only the default page size of 16KiB is supported.  */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif



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

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified
Library refers to a function or a
table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

root function must still compute square roots.)

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

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

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

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

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

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the

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

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

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

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

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

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

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

which the executable runs, unless that component itself accompanies the executable.

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

Because
of this blurred distinction, using the ordinary General
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concluded that weaker conditions might promote sharing better.

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

The "Library", below, refers to any such software library or work which has been distributed
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

If distribution of object code is made by offering access to copy
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source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of
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file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration
including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a

sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith
Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation
that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of
Cygnus Solutions (original, incomplete implementation), Pete
Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner
of the Open Software Foundation (i386 mainly), and Ken Raeburn of
Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many
small
bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon
University. Additional work was done by Ken Raeburn of Cygnus
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000
series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30
(tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error
checking, updating the code, and improving the 16 bit support, using
patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If
you've contributed significant work and are not mentioned on this list, and
want to be, let us know. Some of the history has been lost;
we aren't
intentionally leaving anyone out.

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1.643 python-certifi 2025.7.14

1.643.1 Available under license :

UNRECOGNIZED LICENSE; MD5 sum: e7c75667527d0be84f48c3d1076aa924
This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
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1.645 busybox 1.37.0-r19

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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1.646 ca-certificates 20250619-r0

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```
#!/usr/bin/env perl
# ***************************************************************************
# *                            _   _ ____  _
# *  Project                  ___| | | |  _ \| |
# *                          / __| | | | |_) | |
# *                         | (__| |_| |  _ <| |___
# *                          \___|\___/|_| \_\_____|
# *
```

```
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# *
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# *
# * This software is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY
#
 * KIND, either express or implied.
# *
# * SPDX-License-Identifier: curl
# *
# ***************************************************************************
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
```

Found in path(s):
* /ca-certificates-20250619-tar-bz2/ca-certificates-20250619/mk-ca-bundle.pl
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```
/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
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*
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*/
```

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1.647 ca-certificates-bundle 20250619-r0

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```
#!/usr/bin/env perl
# ***************************************************************************
# *                                  _   _ ____  _
# *  Project                     ___| | | |  _ \| |
# *                             / __| | | | |_) | |
# *                            | (__| |_| |  _ <| |___
# *                             \___|\___/|_| \_\_____|
# *
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# *
# ***************************************************************************
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
```

Found in path(s):
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/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
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*/

Found in path(s):
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1.648 alpine-base 3.22.1-r0

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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"
```

```
build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
```

```
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
```

```
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
 "

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
```

mini_sendmail - accept email on behalf of real sendmail

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```
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SUCH DAMAGE.
# Contributor: Patrycja Rosa <alpine@ptrcnull.me>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178  cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750  queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3  tree.h
"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"
```

```
for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a  license-list-data-3.26.0.tar.gz
"
```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick
The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
Contributor: Dhruvin Gandhi <contact@dhru.vin>
Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.1
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312

```
fda3f699cbc7c4fbd47a71e220440fb0
  license_expression-30.4.1.tar.gz
"
/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

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*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_

/*
* This file defines five types of data structures: singly-linked lists,
* lists, simple queues, tail queues, and circular queues.
*
* A singly-linked list is headed by a single forward pointer. The
* elements are singly linked for minimum space and
 pointer manipulation
* overhead at the expense of O(n) removal for arbitrary elements. New
```

```
* elements can be added to the list after an existing element or at the
* head of the list.  Elements being removed from the head of the list
* should use the explicit macro for this purpose for optimum
* efficiency. A singly-linked list may only be traversed in the forward
* direction.  Singly-linked lists are ideal for applications with large
* datasets and few or no removals or for implementing a LIFO queue.
*
* A list is headed by a single forward pointer (or an array of forward
* pointers for a hash table header). The elements are doubly linked
* so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before
* or after an existing element or at the head of the list. A list
* may only be traversed in the forward direction.
*
* A simple queue is headed by a pair of pointers, one the head of the
* list and the
 other to the tail of the list. The elements are singly
* linked to save space, so elements can only be removed from the
* head of the list. New elements can be added to the list after
* an existing element, at the head of the list, or at the end of the
* list. A simple queue may only be traversed in the forward direction.
*
* A tail queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before or
* after an existing element, at the head of the list, or at the end of
* the list. A tail queue may be traversed in either direction.
*
* A circle queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements
 can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere.  This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/
```

```
#ifdef __NetBSD__
#include <sys/null.h>
#endif

#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

/*
* Singly-linked List definitions.
*/
#define SLIST_HEAD(name, type)      \
struct name {       \
 struct type *slh_first; /* first
 element */   \
}

#define SLIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define SLIST_ENTRY(type)      \
struct {       \
 struct type *sle_next; /* next element */   \
}

/*
* Singly-linked List access methods.
*/
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head)  NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field)     \
 for((var) = (head)->slh_first;     \
    (var) != SLIST_END(head);     \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = SLIST_FIRST((head));    \
    (var) != SLIST_END(head) &&     \
    ((tvar) = SLIST_NEXT((var), field), 1);   \
    (var) = (tvar))
```

```
/*
* Singly-linked List functions.
*/
#define SLIST_INIT(head) do {      \
 (head)->slh_first = SLIST_END(head);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do {   \
 (elm)->field.sle_next = (slistelm)->field.sle_next;  \
 (slistelm)->field.sle_next
 = (elm);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do {   \
 (elm)->field.sle_next = (head)->slh_first;   \
 (head)->slh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do {   \
 (slistelm)->field.sle_next =     \
    SLIST_NEXT(SLIST_NEXT((slistelm), field), field);  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do {    \
 (head)->slh_first = (head)->slh_first->field.sle_next;  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do {   \
 if ((head)->slh_first == (elm)) {    \
  SLIST_REMOVE_HEAD((head), field);   \
 }       \
 else {       \
  struct type *curelm = (head)->slh_first;  \
  while(curelm->field.sle_next != (elm))   \
   curelm = curelm->field.sle_next;  \
  curelm->field.sle_next =    \
     curelm->field.sle_next->field.sle_next;  \
 }       \
} while (/*CONSTCOND*/0)


/*
* List definitions.
 */
#define LIST_HEAD(name, type)      \
struct name {       \
 struct type *lh_first; /* first element */   \
```

```
}

#define LIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define LIST_ENTRY(type)      \
struct {        \
 struct type *le_next; /* next element */   \
 struct type **le_prev; /* address of previous next element */ \
}

/*
* List access methods.
*/
#define LIST_FIRST(head)  ((head)->lh_first)
#define LIST_END(head)   NULL
#define LIST_EMPTY(head)  ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field)  ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field)     \
 for ((var) = ((head)->lh_first);    \
     (var) != LIST_END(head);     \
     (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = LIST_FIRST((head));    \
     (var) != LIST_END(head) &&     \
     ((tvar) = LIST_NEXT((var), field), 1);   \
     (var) = (tvar))

#define LIST_MOVE(head1, head2) do {     \
 LIST_INIT((head2));      \
 if (!LIST_EMPTY((head1)))
 {     \
  (head2)->lh_first = (head1)->lh_first;   \
  LIST_INIT((head1));     \
 }        \
} while (/*CONSTCOND*/0)

/*
* List functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)   \
 if ((head)->lh_first &&      \
     (head)->lh_first->field.le_prev != &(head)->lh_first) \
  QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
      __FILE__, __LINE__);
```

```
#define QUEUEDEBUG_LIST_OP(elm, field)     \
 if ((elm)->field.le_next &&     \
     (elm)->field.le_next->field.le_prev !=   \
     &(elm)->field.le_next)     \
  QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm),  \
      __FILE__, __LINE__);    \
 if (*(elm)->field.le_prev != (elm))    \
  QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm),  \
      __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)    \
 (elm)->field.le_next = (void *)1L;    \
 (elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
 field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do {      \
 (head)->lh_first = LIST_END(head);    \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 if (((elm)->field.le_next = (listelm)->field.le_next) !=  \
     LIST_END(head))      \
  (listelm)->field.le_next->field.le_prev =  \
      &(elm)->field.le_next;    \
 (listelm)->field.le_next = (elm);    \
 (elm)->field.le_prev = &(listelm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 (elm)->field.le_prev = (listelm)->field.le_prev;  \
 (elm)->field.le_next = (listelm);    \
 *(listelm)->field.le_prev = (elm);    \
 (listelm)->field.le_prev = &(elm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do {    \
 QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.le_next
 = (head)->lh_first) != LIST_END(head))\
  (head)->lh_first->field.le_prev = &(elm)->field.le_next;\
 (head)->lh_first = (elm);     \
 (elm)->field.le_prev = &(head)->lh_first;   \
```

```
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do {     \
 QUEUEDEBUG_LIST_OP((elm), field)    \
 if ((elm)->field.le_next != NULL)    \
  (elm)->field.le_next->field.le_prev =    \
      (elm)->field.le_prev;    \
 *(elm)->field.le_prev = (elm)->field.le_next;   \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do {    \
 if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
  (elm2)->field.le_next->field.le_prev =   \
      &(elm2)->field.le_next;    \
 (elm2)->field.le_prev = (elm)->field.le_prev;   \
 *(elm2)->field.le_prev = (elm2);    \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

/*
* Simple queue definitions.
*/
#define SIMPLEQ_HEAD(name, type)     \
struct name {        \
 struct
 type *sqh_first; /* first element */   \
 struct type **sqh_last; /* addr of last next element */  \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)      \
struct {        \
 struct type *sqe_next; /* next element */   \
}

/*
* Simple queue access methods.
*/
#define SIMPLEQ_FIRST(head)  ((head)->sqh_first)
#define SIMPLEQ_END(head)  NULL
#define SIMPLEQ_EMPTY(head)  ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->sqh_first);    \
```

```
    (var) != SIMPLEQ_END(head);     \
    (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->sqh_first);    \
    (var) != SIMPLEQ_END(head) &&    \
    ((next = ((var)->field.sqe_next)), 1);   \
    (var) = (next))

/*
* Simple queue functions.
*/
#define SIMPLEQ_INIT(head) do {      \
 (head)->sqh_first = NULL;     \
 (head)->sqh_last
 = &(head)->sqh_first;    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (head)->sqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.sqe_next = NULL;     \
 *(head)->sqh_last = (elm);     \
 (head)->sqh_last = &(elm)->field.sqe_next;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL)\
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (listelm)->field.sqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
  (head)->sqh_last = &(head)->sqh_first;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do {   \
 if
 (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
    == NULL)       \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
} while (/*CONSTCOND*/0)
```

```
#define SIMPLEQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->sqh_first == (elm)) {    \
  SIMPLEQ_REMOVE_HEAD((head), field);   \
 } else {      \
  struct type *curelm = (head)->sqh_first;  \
  while (curelm->field.sqe_next != (elm))   \
   curelm = curelm->field.sqe_next;  \
  if ((curelm->field.sqe_next =    \
   curelm->field.sqe_next->field.sqe_next) == NULL) \
      (head)->sqh_last = &(curelm)->field.sqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do {    \
 if (!SIMPLEQ_EMPTY((head2))) {     \
  *(head1)->sqh_last = (head2)->sqh_first;  \
  (head1)->sqh_last = (head2)->sqh_last;  \
  SIMPLEQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field)     \
 (SIMPLEQ_EMPTY((head)) ?      \
  NULL :       \
       ((struct type
 *)(void *)    \
  ((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
* Tail queue definitions.
*/
#define _TAILQ_HEAD(name, type, qual)     \
struct name {       \
 qual type *tqh_first;  /* first element */  \
 qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head)     \
 { TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual)     \
struct {       \
 qual type *tqe_next;  /* next element */  \
 qual type *qual *tqe_prev; /* address of previous next element */\
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)
```

```
/*
* Tail queue access methods.
*/
#define TAILQ_FIRST(head)  ((head)->tqh_first)
#define TAILQ_END(head)   (NULL)
#define TAILQ_NEXT(elm, field)  ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
 (*(((struct headname *)(void *)((head)->tqh_last))->tqh_last))
#define TAILQ_PREV(elm, headname, field) \
 (*(((struct headname
 *)(void *)((elm)->field.tqe_prev))->tqh_last))
#define TAILQ_EMPTY(head)  (TAILQ_FIRST(head) == TAILQ_END(head))


#define TAILQ_FOREACH(var, head, field)     \
 for ((var) = ((head)->tqh_first);    \
     (var) != TAILQ_END(head);     \
     (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->tqh_first);    \
     (var) != TAILQ_END(head) &&     \
     ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field)  \
 for ((var) = TAILQ_LAST((head), headname);   \
     (var) != TAILQ_END(head);     \
     (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
 for ((var) = TAILQ_LAST((head), headname);   \
     (var) != TAILQ_END(head) &&     \
     ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
* Tail queue functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head,
 elm, field)   \
 if ((head)->tqh_first &&     \
     (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)   \
 if (*(head)->tqh_last != NULL)     \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
      __FILE__, __LINE__);
```

```
#define QUEUEDEBUG_TAILQ_OP(elm, field)     \
 if ((elm)->field.tqe_next &&     \
     (elm)->field.tqe_next->field.tqe_prev !=   \
     &(elm)->field.tqe_next)     \
  QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
      __FILE__, __LINE__);    \
 if (*(elm)->field.tqe_prev != (elm))    \
  QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)   \
 if ((elm)->field.tqe_next == NULL &&    \
     (head)->tqh_last != &(elm)->field.tqe_next)   \
  QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d",\
      (head), (elm), __FILE__,
 __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)    \
 (elm)->field.tqe_next = (void *)1L;    \
 (elm)->field.tqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do {      \
 (head)->tqh_first = TAILQ_END(head);    \
 (head)->tqh_last = &(head)->tqh_first;    \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head))\
  (head)->tqh_first->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (head)->tqh_first = (elm);     \
 (elm)->field.tqe_prev = &(head)->tqh_first;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head,
 elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field)  \
 (elm)->field.tqe_next = TAILQ_END(head);   \
 (elm)->field.tqe_prev = (head)->tqh_last;   \
 *(head)->tqh_last = (elm);     \
```

```
 (head)->tqh_last = &(elm)->field.tqe_next;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 if (((elm)->field.tqe_next = (listelm)->field.tqe_next) !=  \
    TAILQ_END(head))      \
  (elm)->field.tqe_next->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (listelm)->field.tqe_next = (elm);    \
 (elm)->field.tqe_prev = &(listelm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 (elm)->field.tqe_prev = (listelm)->field.tqe_prev;  \
 (elm)->field.tqe_next = (listelm);    \
 *(listelm)->field.tqe_prev = (elm);    \
 (listelm)->field.tqe_prev
 = &(elm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_TAILQ_PREREMOVE((head), (elm), field)  \
 QUEUEDEBUG_TAILQ_OP((elm), field)    \
 if (((elm)->field.tqe_next) != TAILQ_END(head))   \
  (elm)->field.tqe_next->field.tqe_prev =   \
     (elm)->field.tqe_prev;    \
 else       \
  (head)->tqh_last = (elm)->field.tqe_prev;  \
 *(elm)->field.tqe_prev = (elm)->field.tqe_next;   \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field);   \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do {   \
       if (((elm2)->field.tqe_next = (elm)->field.tqe_next) !=  \
     TAILQ_END(head))        \
            (elm2)->field.tqe_next->field.tqe_prev =  \
               &(elm2)->field.tqe_next;    \
       else       \
            (head)->tqh_last = &(elm2)->field.tqe_next;  \
       (elm2)->field.tqe_prev = (elm)->field.tqe_prev;   \
       *(elm2)->field.tqe_prev = (elm2);    \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm),
 field);   \
} while (/*CONSTCOND*/0)
```

```
#define TAILQ_CONCAT(head1, head2, field) do {    \
 if (!TAILQ_EMPTY(head2)) {     \
  *(head1)->tqh_last = (head2)->tqh_first;  \
  (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
  (head1)->tqh_last = (head2)->tqh_last;   \
  TAILQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

/*
* Singly-linked Tail queue declarations.
*/
#define STAILQ_HEAD(name, type)      \
struct name {        \
 struct type *stqh_first; /* first element */  \
 struct type **stqh_last; /* addr of last next element */ \
}

#define STAILQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type)      \
struct {        \
 struct type *stqe_next; /* next element */   \
}

/*
* Singly-linked Tail queue access methods.
*/
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head)
 == STAILQ_END(head))

/*
* Singly-linked Tail queue functions.
*/
#define STAILQ_INIT(head) do {      \
 (head)->stqh_first = NULL;     \
 (head)->stqh_last = &(head)->stqh_first;    \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (head)->stqh_first = (elm);     \
```

```
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.stqe_next = NULL;     \
 *(head)->stqh_last = (elm);     \
 (head)->stqh_last = &(elm)->field.stqe_next;   \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL)\
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (listelm)->field.stqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->stqh_first = (head)->stqh_first->field.stqe_next)
 == NULL) \
  (head)->stqh_last = &(head)->stqh_first;   \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->stqh_first == (elm)) {    \
  STAILQ_REMOVE_HEAD((head), field);   \
 } else {       \
  struct type *curelm = (head)->stqh_first;  \
  while (curelm->field.stqe_next != (elm))   \
   curelm = curelm->field.stqe_next;  \
  if ((curelm->field.stqe_next =    \
   curelm->field.stqe_next->field.stqe_next) == NULL) \
      (head)->stqh_last = &(curelm)->field.stqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->stqh_first);    \
  (var);       \
  (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = STAILQ_FIRST((head));    \
    (var) && ((tvar) = STAILQ_NEXT((var), field), 1);  \
    (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do {    \
 if (!STAILQ_EMPTY((head2))) {     \
  *(head1)->stqh_last
 = (head2)->stqh_first;  \
  (head1)->stqh_last = (head2)->stqh_last;  \
```

```
 STAILQ_INIT((head2));    \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field)    \
 (STAILQ_EMPTY((head)) ?     \
  NULL :      \
       ((struct type *)(void *)    \
  ((char *)((head)->stqh_last) - offsetof(struct type, field))))


#ifndef _KERNEL
/*
* Circular queue definitions. Do not use. We still keep the macros
* for compatibility but because of pointer aliasing issues their use
* is discouraged!
*/

/*
* __launder_type():  We use this ugly hack to work around the the compiler
* noticing that two types may not alias each other and elide tests in code.
* We hit this in the CIRCLEQ macros when comparing 'struct name *' and
* 'struct type *' (see CIRCLEQ_HEAD()).  Modern compilers (such as GCC
* 4.8) declare these comparisons as always false, causing the code to
* not run as designed.
*
* This hack is only to be used for comparisons and thus can be fully const.
 * Do not use for assignment.
*
* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
* this by changing the head/tail sentinal values, but see the note above
* this one.
*/
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
 __asm __volatile("" : "+r" (__x));
 return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)    \
 if ((head)->cqh_first != CIRCLEQ_ENDC(head) &&   \
    (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
       __FILE__, __LINE__);    \
 if ((head)->cqh_last != CIRCLEQ_ENDC(head) &&   \
```

```
    (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
       __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_last != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ
 elm last %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 } else {       \
  if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 }       \
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_first != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 } else {       \
  if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 }
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)   \
 (elm)->field.cqe_next = (void *)1L;    \
 (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type)     \
struct name {        \
 struct type *cqh_first;  /*
 first element */  \
 struct type *cqh_last;  /* last element */  \
}

#define CIRCLEQ_HEAD_INITIALIZER(head)     \
 { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type)      \
struct {        \
 struct type *cqe_next;  /* next element */  \
 struct type *cqe_prev;  /* previous element */  \
}
```

```
/*
* Circular queue functions.
*/
#define CIRCLEQ_INIT(head) do {      \
 (head)->cqh_first = CIRCLEQ_END(head);    \
 (head)->cqh_last = CIRCLEQ_END(head);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm)->field.cqe_next;  \
 (elm)->field.cqe_prev = (listelm);    \
 if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
  (head)->cqh_last = (elm);    \
 else       \
  (listelm)->field.cqe_next->field.cqe_prev = (elm); \
 (listelm)->field.cqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,
 listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm);    \
 (elm)->field.cqe_prev = (listelm)->field.cqe_prev;  \
 if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm);    \
 else       \
  (listelm)->field.cqe_prev->field.cqe_next = (elm); \
 (listelm)->field.cqe_prev = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next = (head)->cqh_first;   \
 (elm)->field.cqe_prev = CIRCLEQ_END(head);   \
 if ((head)->cqh_last == CIRCLEQ_ENDC(head))   \
  (head)->cqh_last = (elm);    \
 else       \
  (head)->cqh_first->field.cqe_prev = (elm);  \
 (head)->cqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next
```

```
 = CIRCLEQ_END(head);   \
 (elm)->field.cqe_prev = (head)->cqh_last;   \
 if ((head)->cqh_first == CIRCLEQ_ENDC(head))   \
  (head)->cqh_first = (elm);    \
 else       \
  (head)->cqh_last->field.cqe_next = (elm);  \
 (head)->cqh_last = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
  (head)->cqh_last = (elm)->field.cqe_prev;  \
 else       \
  (elm)->field.cqe_next->field.cqe_prev =   \
      (elm)->field.cqe_prev;    \
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm)->field.cqe_next;  \
 else       \
  (elm)->field.cqe_prev->field.cqe_next =   \
      (elm)->field.cqe_next;    \
 QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->cqh_first);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var)
 = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field)   \
 for ((var) = ((head)->cqh_last);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var) = ((var)->field.cqe_prev))

/*
* Circular queue access methods.
*/
#define CIRCLEQ_FIRST(head)  ((head)->cqh_first)
#define CIRCLEQ_LAST(head)  ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head)  (__launder_type(head))
/* For assignments */
#define CIRCLEQ_END(head)  ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head)      \
```

```
   (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field)    \
 (((elm)->field.cqe_next == CIRCLEQ_ENDC(head))   \
    ? ((head)->cqh_first)     \
    : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field)    \
 (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))   \
    ? ((head)->cqh_last)     \
    :
 (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
```

```
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
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```
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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

#ifndef _SYS_TREE_H_
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y)      \
 ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) ||   \
  (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
 data structure.  Every operation
* on the tree causes a splay to happen.  The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree.  On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as O((m + n)lg n).  The
```

```
* amortized cost for a sequence of m accesses to a splay tree is O(lg n);
*
* A red-black tree is a binary search tree with the node color as an
* extra attribute.  It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as O(lg n).
* The maximum height of a red-black tree is 2lg (n+1).
 */

#define SPLAY_HEAD(name, type)      \
struct name {       \
 struct type *sph_root; /* root of the tree */   \
}

#define SPLAY_INITIALIZER(root)     \
 { NULL }

#define SPLAY_INIT(root) do {      \
 (root)->sph_root = NULL;     \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type)      \
struct {       \
 struct type *spe_left; /* left element */   \
 struct type *spe_right; /* right element */   \
}

#define SPLAY_LEFT(elm, field)  (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field)  (elm)->field.spe_right
#define SPLAY_ROOT(head)  (head)->sph_root
#define SPLAY_EMPTY(head)  (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do {   \
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do {   \
 SPLAY_RIGHT((head)->sph_root,
 field) = SPLAY_LEFT(tmp, field); \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
```

```
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do {    \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);  \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do {    \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do {  \
 SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
 SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field);\
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
 SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
 SPLAY_PROTOTYPE(name, type, field, cmp)    \
void name##_SPLAY(struct name *, struct type *);   \
void name##_SPLAY_MINMAX(struct name *, int);    \
struct type *name##_SPLAY_INSERT(struct name *, struct type *);  \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *);  \
        \
/* Finds the node with the same key as elm */    \
static __inline struct type *      \
name##_SPLAY_FIND(struct name *head, struct type *elm)   \
{        \
 if (SPLAY_EMPTY(head))      \
  return(NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0)    \
  return (head->sph_root);    \
 return (NULL);       \
}        \
        \
static __inline _sys_tree_h_unused struct type *   \
name##_SPLAY_NEXT(struct name *head, struct type *elm)   \
{        \
 name##_SPLAY(head, elm);     \
 if (SPLAY_RIGHT(elm, field) != NULL) {    \
  elm = SPLAY_RIGHT(elm, field);    \
```

```
 while (SPLAY_LEFT(elm, field) != NULL) {  \
  elm = SPLAY_LEFT(elm, field);   \
 }       \
}
else        \
 elm = NULL;      \
return (elm);       \
}         \
        \
static _sys_tree_h_unused __inline struct type *   \
name##_SPLAY_MIN_MAX(struct name *head, int val)   \
{         \
 name##_SPLAY_MINMAX(head, val);     \
      return (SPLAY_ROOT(head));     \
}

/* Main splay operation.
* Moves node close to the key of elm to top
*/
#define SPLAY_GENERATE(name, type, field, cmp)    \
struct type *        \
name##_SPLAY_INSERT(struct name *head, struct type *elm)  \
{         \
  if (SPLAY_EMPTY(head)) {      \
    SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
  } else {        \
    int __comp;       \
    name##_SPLAY(head, elm);     \
    __comp = (cmp)(elm, (head)->sph_root);   \
    if(__comp < 0) {      \
     SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
     SPLAY_RIGHT(elm, field) = (head)->sph_root;  \
     SPLAY_LEFT((head)->sph_root, field) = NULL;  \
    } else if (__comp > 0) {     \
     SPLAY_RIGHT(elm,
 field) = SPLAY_RIGHT((head)->sph_root, field);\
     SPLAY_LEFT(elm, field) = (head)->sph_root;  \
     SPLAY_RIGHT((head)->sph_root, field) = NULL; \
    } else       \
     return ((head)->sph_root);    \
  }         \
  (head)->sph_root = (elm);      \
  return (NULL);       \
}         \
        \
struct type *        \
name##_SPLAY_REMOVE(struct name *head, struct type *elm)  \
{         \
```

```
 struct type *__tmp;      \
 if (SPLAY_EMPTY(head))      \
  return (NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0) {   \
  if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
   (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
  } else {      \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
   name##_SPLAY(head, elm);   \
   SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
  }       \
  return (elm);      \
 }        \
 return (NULL);       \
}         \
         \
void         \
name##_SPLAY(struct
 name *head, struct type *elm)   \
{         \
 struct type __node, *__left, *__right, *__tmp;   \
 int __comp;       \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) {  \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) < 0){   \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) > 0){   \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
```

```
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
 }       \
 SPLAY_ASSEMBLE(head,
 &__node, __left, __right, field);  \
}        \
        \
/* Splay with either the minimum or the maximum element   \
* Used to find minimum or maximum element in tree.   \
*/        \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{        \
 struct type __node, *__left, *__right, *__tmp;   \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while (1) {       \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp < 0){    \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp > 0) {    \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root,
 field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
 }       \
 SPLAY_ASSEMBLE(head, &__node, __left, __right, field);  \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
```

```
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y)  name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y)  name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head)    \
 for ((x) = SPLAY_MIN(name, head);   \
     (x) != NULL;     \
     (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type)     \
struct name {       \
 struct type *rbh_root; /* root of the tree */  \
}

#define RB_INITIALIZER(root)     \
 {
 NULL }

#define RB_INIT(root) do {     \
 (root)->rbh_root = NULL;    \
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED  1
#define RB_ENTRY(type)      \
struct {       \
 struct type *rbe_left;  /* left element */  \
 struct type *rbe_right;  /* right element */  \
 struct type *rbe_parent; /* parent element */  \
 int rbe_color;   /* node color */  \
}

#define RB_LEFT(elm, field)  (elm)->field.rbe_left
#define RB_RIGHT(elm, field)  (elm)->field.rbe_right
#define RB_PARENT(elm, field)  (elm)->field.rbe_parent
#define RB_COLOR(elm, field)  (elm)->field.rbe_color
#define RB_ROOT(head)   (head)->rbh_root
#define RB_EMPTY(head)   (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do {     \
 RB_PARENT(elm, field) = parent;     \
 RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL;  \
 RB_COLOR(elm, field) = RB_RED;     \
```

```
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do {    \
 RB_COLOR(black, field) = RB_BLACK;    \
 RB_COLOR(red, field)
 = RB_RED;     \
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do {   \
 (tmp) = RB_RIGHT(elm, field);     \
 if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
  RB_PARENT(RB_LEFT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_LEFT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do {   \
 (tmp) = RB_LEFT(elm, field);     \
 if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field))
 != NULL) { \
  RB_PARENT(RB_RIGHT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_RIGHT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
```

```
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp)    \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp)   \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr)  \
attr void name##_RB_INSERT_COLOR(struct name *, struct
 type *);  \
attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
attr struct type *name##_RB_INSERT(struct name *, struct type *); \
attr struct type *name##_RB_FIND(struct name *, struct type *);  \
attr struct type *name##_RB_NFIND(struct name *, struct type *); \
attr struct type *name##_RB_NEXT(struct type *);   \
attr struct type *name##_RB_PREV(struct type *);   \
attr struct type *name##_RB_MINMAX(struct name *, int);   \
        \

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp)    \
 RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp)   \
 RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr)  \
attr void        \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm)  \
{        \
 struct type
 *parent, *gparent, *tmp;    \
 while ((parent = RB_PARENT(elm, field)) != NULL &&  \
     RB_COLOR(parent, field) == RB_RED) {   \
  gparent = RB_PARENT(parent, field);   \
  if (parent == RB_LEFT(gparent, field)) {  \
   tmp = RB_RIGHT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_RIGHT(parent, field) == elm) {  \
```

```
   RB_ROTATE_LEFT(head, parent, tmp, field);\
   tmp = parent;    \
   parent = elm;    \
   elm = tmp;    \
  }      \
  RB_SET_BLACKRED(parent, gparent, field); \
  RB_ROTATE_RIGHT(head, gparent, tmp, field); \
 } else {      \
  tmp = RB_LEFT(gparent, field);   \
  if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
   RB_COLOR(tmp, field) = RB_BLACK; \
   RB_SET_BLACKRED(parent, gparent, field);\
   elm = gparent;    \
   continue;    \
  }      \
  if (RB_LEFT(parent, field) == elm)
 {  \
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   tmp = parent;    \
   parent = elm;    \
   elm = tmp;    \
  }      \
  RB_SET_BLACKRED(parent, gparent, field); \
  RB_ROTATE_LEFT(head, gparent, tmp, field); \
 }       \
 }       \
 RB_COLOR(head->rbh_root, field) = RB_BLACK;   \
}        \
        \
attr void        \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{        \
 struct type *tmp;      \
 while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
     elm != RB_ROOT(head)) {     \
  if (RB_LEFT(parent, field) == elm) {   \
   tmp = RB_RIGHT(parent, field);   \
   if (RB_COLOR(tmp, field) == RB_RED) {  \
    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = RB_RIGHT(parent, field);  \
   }      \
   if ((RB_LEFT(tmp, field) == NULL ||  \
       RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
       (RB_RIGHT(tmp, field) == NULL ||  \
       RB_COLOR(RB_RIGHT(tmp,
 field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED;  \
```

```
 elm = parent;    \
 parent = RB_PARENT(elm, field);  \
 } else {     \
 if (RB_RIGHT(tmp, field) == NULL || \
     RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
  struct type *oleft;  \
  if ((oleft = RB_LEFT(tmp, field)) \
      != NULL)   \
   RB_COLOR(oleft, field) = RB_BLACK;\
  RB_COLOR(tmp, field) = RB_RED; \
  RB_ROTATE_RIGHT(head, tmp, oleft, field);\
  tmp = RB_RIGHT(parent, field); \
  }     \
 RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
 RB_COLOR(parent, field) = RB_BLACK; \
 if (RB_RIGHT(tmp, field))  \
  RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
 RB_ROTATE_LEFT(head, parent, tmp, field);\
 elm = RB_ROOT(head);   \
 break;     \
 }      \
} else {      \
 tmp = RB_LEFT(parent, field);   \
 if (RB_COLOR(tmp, field) == RB_RED) {  \
  RB_SET_BLACKRED(tmp, parent, field); \
  RB_ROTATE_RIGHT(head, parent, tmp, field);\
  tmp
= RB_LEFT(parent, field);  \
 }      \
 if ((RB_LEFT(tmp, field) == NULL ||  \
     RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
     (RB_RIGHT(tmp, field) == NULL ||  \
     RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
 RB_COLOR(tmp, field) = RB_RED;  \
 elm = parent;    \
 parent = RB_PARENT(elm, field);  \
 } else {     \
 if (RB_LEFT(tmp, field) == NULL || \
     RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
  struct type *oright;  \
  if ((oright = RB_RIGHT(tmp, field)) \
      != NULL)   \
   RB_COLOR(oright, field) = RB_BLACK;\
  RB_COLOR(tmp, field) = RB_RED; \
  RB_ROTATE_LEFT(head, tmp, oright, field);\
  tmp = RB_LEFT(parent, field); \
  }     \
 RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
```

```
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_LEFT(tmp, field))  \
     RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
    RB_ROTATE_RIGHT(head, parent, tmp, field);\
    elm = RB_ROOT(head);   \
    break;     \
   }      \
  }       \
 }       \
 if
 (elm)      \
  RB_COLOR(elm, field) = RB_BLACK;   \
}        \
        \
attr struct type *       \
name##_RB_REMOVE(struct name *head, struct type *elm)   \
{        \
 struct type *child, *parent, *old = elm;   \
 int color;       \
 if (RB_LEFT(elm, field) == NULL)    \
  child = RB_RIGHT(elm, field);    \
 else if (RB_RIGHT(elm, field) == NULL)    \
  child = RB_LEFT(elm, field);    \
 else {        \
  struct type *left;     \
  elm = RB_RIGHT(elm, field);    \
  while ((left = RB_LEFT(elm, field)) != NULL)  \
   elm = left;     \
  child = RB_RIGHT(elm, field);    \
  parent = RB_PARENT(elm, field);    \
  color = RB_COLOR(elm, field);    \
  if (child)      \
   RB_PARENT(child, field) = parent;  \
  if (parent) {      \
   if (RB_LEFT(parent, field) == elm)  \
    RB_LEFT(parent, field) = child;  \
   else      \
    RB_RIGHT(parent, field) = child; \
   RB_AUGMENT(parent);    \
  } else       \
   RB_ROOT(head)
 = child;    \
  if (RB_PARENT(elm, field) == old)   \
   parent = elm;     \
  (elm)->field = (old)->field;    \
  if (RB_PARENT(old, field)) {    \
   if (RB_LEFT(RB_PARENT(old, field), field) == old)\
    RB_LEFT(RB_PARENT(old, field), field) = elm;\
```

```
  else      \
   RB_RIGHT(RB_PARENT(old, field), field) = elm;\
  RB_AUGMENT(RB_PARENT(old, field));  \
 } else       \
  RB_ROOT(head) = elm;    \
 RB_PARENT(RB_LEFT(old, field), field) = elm;  \
 if (RB_RIGHT(old, field))    \
  RB_PARENT(RB_RIGHT(old, field), field) = elm; \
 if (parent) {      \
  left = parent;     \
  do {      \
   RB_AUGMENT(left);   \
  } while ((left = RB_PARENT(left, field)) != NULL); \
 }       \
 goto color;      \
}        \
 parent = RB_PARENT(elm, field);     \
 color = RB_COLOR(elm, field);     \
 if (child)       \
  RB_PARENT(child, field) = parent;   \
 if (parent) {       \
  if (RB_LEFT(parent, field) == elm)   \
   RB_LEFT(parent, field) = child;   \
  else       \
   RB_RIGHT(parent,
 field) = child;  \
  RB_AUGMENT(parent);     \
 } else        \
  RB_ROOT(head) = child;     \
color:         \
 if (color == RB_BLACK)      \
  name##_RB_REMOVE_COLOR(head, parent, child);  \
 return (old);       \
}         \
        \
/* Inserts a node into the RB tree */     \
attr struct type *       \
name##_RB_INSERT(struct name *head, struct type *elm)   \
{         \
 struct type *tmp;      \
 struct type *parent = NULL;     \
 int comp = 0;       \
 tmp = RB_ROOT(head);      \
 while (tmp) {       \
  parent = tmp;      \
  comp = (cmp)(elm, parent);    \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
```

```
 else if (comp > 0)     \
  tmp = RB_RIGHT(tmp, field);   \
 else       \
  return (tmp);     \
}       \
RB_SET(elm, parent, field);     \
if (parent != NULL) {      \
 if (comp < 0)      \
  RB_LEFT(parent, field) = elm;   \
 else       \
  RB_RIGHT(parent, field) = elm;   \
 RB_AUGMENT(parent);     \
} else       \
 RB_ROOT(head) = elm;     \
name##_RB_INSERT_COLOR(head,
elm);    \
return (NULL);       \
}       \
       \
/* Finds the node with the same key as elm */    \
attr struct type *       \
name##_RB_FIND(struct name *head, struct type *elm)   \
{       \
 struct type *tmp = RB_ROOT(head);    \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }       \
 return (NULL);       \
}       \
       \
/* Finds the first node greater than or equal to the search key */ \
attr struct type *       \
name##_RB_NFIND(struct name *head, struct type *elm)   \
{       \
 struct type *tmp = RB_ROOT(head);    \
 struct type *res = NULL;     \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0) {      \
   res = tmp;     \
```

```
  tmp = RB_LEFT(tmp, field);   \
 }       \
 else if (comp > 0)     \
  tmp =
RB_RIGHT(tmp, field);   \
 else       \
  return (tmp);     \
 }       \
 return (res);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_NEXT(struct type *elm)     \
{        \
 if (RB_RIGHT(elm, field)) {     \
  elm = RB_RIGHT(elm, field);    \
  while (RB_LEFT(elm, field))    \
   elm = RB_LEFT(elm, field);   \
 } else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_RIGHT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_PREV(struct type *elm)     \
{        \
 if (RB_LEFT(elm, field)) {     \
  elm = RB_LEFT(elm, field);    \
  while (RB_RIGHT(elm, field))    \
   elm = RB_RIGHT(elm, field);   \
 }
 else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
```

```
      (elm == RB_LEFT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
attr struct type *       \
name##_RB_MINMAX(struct name *head, int val)    \
{        \
 struct type *tmp = RB_ROOT(head);    \
 struct type *parent = NULL;     \
 while (tmp) {       \
  parent = tmp;      \
  if (val < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else       \
   tmp = RB_RIGHT(tmp, field);   \
 }       \
 return (parent);      \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
 y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x)  name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x)  name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head)     \
 for ((x) = RB_MIN(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)     \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
 for ((x) = RB_MIN(name, head);     \
```

```
    ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
     (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head)    \
 for ((x) = RB_MAX(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
 for ((x) = (y);       \
    ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
     (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
 head, y)   \
 for ((x) = RB_MAX(name, head);     \
    ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
     (x) = (y))

#endif /* _SYS_TREE_H_ */
```

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_web_services_1_2.xsd
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- javaee_web_services_1_3.xsd

- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- web-app_5_0.xsd
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```
# Automatically generated by apkbuild-cpan, template 4
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
maintainer="Celeste <cielesti@protonmail.com>"
pkgname=perl-bsd-resource
pkgver=1.2911
pkgrel=10
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
builddir="$srcdir/$_pkgreal-$pkgver"

build() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL \
  INSTALLDIRS=vendor \
  NO_PACKLIST=1 \
  NO_PERLLOCAL=1
 make
}

check() {
 export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
 make test
}

package() {
 make DESTDIR="$pkgdir" install
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
```

```
  BSD-Resource-1.2911.tar.gz
"
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SOFTWARE.
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=2
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz
 0001-bsd-games-scores-dir.patch
 "
options="!check" # no tests

build() {
 # some GNU autoconf options are ignored, but it works
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr \
  --sysconfdir=/etc \
```

```
  --mandir=/usr/share/man \
  --scoredir=/usr/share/$pkgname
 make
}

package() {
 make DESTDIR="$pkgdir" install
 install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
e1def0d4835a877242c4173fae862e278a7858738e0bacacbb045a42bcabec2aa7c72d000bbd2421ce35fe66cdc1f52c0
577b7e278029ca5ed50f7aab22319f6  0001-bsd-games-scores-dir.patch
"
```

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mini_sendmail - accept email on behalf of real sendmail

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SUCH DAMAGE.

```
# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"

builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
 update_config_sub
 default_prepare
}

build() {
 ./configure \
  --build=$CBUILD \
  --host=$CHOST \
  --prefix=/usr
 make
}

package() {
 make DESTDIR="$pkgdir" install
}
```

```
sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.26.0
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
 subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
 mkdir -p "$pkgdir"
}

_subpkg() {
 local type=${subpkgname/$pkgname-/}
 pkgdesc="$pkgdesc ($type)"
 install_if="$pkgname=$pkgver-r$pkgrel"
 mkdir -p "$subpkgdir"/usr/share/spdx
 cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
 pkgdesc="$pkgdesc (licence list)"
 mkdir -p "$subpkgdir"/usr/share/spdx
 local i; for i in "$builddir"/text/*.txt;
 do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
 done
}

sha512sums="
67e618d4642dfe4f366935d9514d6f7941d3711e77c49bc1b340ac572d36015981b8f10c72a9f80f1d83e132ae7e5093c
0155e0c0e786e4777ee16d1cb7b885a  license-list-data-3.26.0.tar.gz
```

"
Contributor: Patrycja Rosa <alpine@ptrcnull.me>
Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=bsd-compat-headers
pkgver=0.7.2
pkgrel=6
pkgdesc="BSD compatibility headers (cdefs, queue, tree)"
url="https://gitlab.alpinelinux.org/alpine/aports"
arch="noarch"
license="BSD-2-Clause AND BSD-3-Clause"
source="
 cdefs.h
 queue.h
 tree.h
"
builddir="$srcdir"
options="!check" # just headers

package() {
 mkdir -p "$pkgdir"
 install -Dm644 -t "$pkgdir"/usr/include/sys \
  cdefs.h queue.h tree.h
}
sha512sums="
37c8fc73c7aea7b490f7850927e2bb91d12137c9e59e22c084146d515696dbc7973b5de92f4c987ba080dd2502ba8312
7006442c3f019b6447a620c0cae73178 cdefs.h
2f0d5e6e4dc3350285cf17009265dddcbe12431c111868eea39bc8cb038ab7c1f2acacbb21735c4e9d4a1fd106a8fc0f86
11ea33987d4faba37dde5ce6da0750 queue.h
d9ac210d81feb8ad2655bc80fb065d3fe20ae4417b32b4a1711e6738a4870140005c13373b5d1846ef3ce5ae6da45f2da
cef2092881eded0a2e94f6a07752ef3 tree.h
"
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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html
Contributor: Dhruvin Gandhi <contact@dhru.vin>
Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license_expression
pkgver=30.4.1
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir/$_pkgname-$pkgver"

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

check() {
 python3 -m venv --clear --without-pip --system-site-packages .testenv
 .testenv/bin/python3 -m installer .dist/*.whl
 .testenv/bin/python3 -m pytest
}

package() {
 python3 -m installer -d "$pkgdir" \
  .dist/*.whl
}

sha512sums="
114c630f098939757e49187e35b4e54883266a2ee9ca283724992420ef4c860f9606a8342da0ab74d93627c10805f312

```
fda3f699cbc7c4fbd47a71e220440fb0
  license_expression-30.4.1.tar.gz
"
/* $NetBSD: queue.h,v 1.70 2015/11/02 15:21:23 christos Exp $ */

/*
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*
* @(#)queue.h 8.5 (Berkeley) 8/20/94
*/

#ifndef _SYS_QUEUE_H_
#define _SYS_QUEUE_H_

/*
* This file defines five types of data structures: singly-linked lists,
* lists, simple queues, tail queues, and circular queues.
*
* A singly-linked list is headed by a single forward pointer. The
* elements are singly linked for minimum space and
 pointer manipulation
* overhead at the expense of O(n) removal for arbitrary elements. New
```

```
* elements can be added to the list after an existing element or at the
* head of the list.  Elements being removed from the head of the list
* should use the explicit macro for this purpose for optimum
* efficiency. A singly-linked list may only be traversed in the forward
* direction.  Singly-linked lists are ideal for applications with large
* datasets and few or no removals or for implementing a LIFO queue.
*
* A list is headed by a single forward pointer (or an array of forward
* pointers for a hash table header). The elements are doubly linked
* so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before
* or after an existing element or at the head of the list. A list
* may only be traversed in the forward direction.
*
* A simple queue is headed by a pair of pointers, one the head of the
* list and the
 other to the tail of the list. The elements are singly
* linked to save space, so elements can only be removed from the
* head of the list. New elements can be added to the list after
* an existing element, at the head of the list, or at the end of the
* list. A simple queue may only be traversed in the forward direction.
*
* A tail queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements can be added to the list before or
* after an existing element, at the head of the list, or at the end of
* the list. A tail queue may be traversed in either direction.
*
* A circle queue is headed by a pair of pointers, one to the head of the
* list and the other to the tail of the list. The elements are doubly
* linked so that an arbitrary element can be removed without a need to
* traverse the list. New elements
 can be added to the list before or after
* an existing element, at the head of the list, or at the end of the list.
* A circle queue may be traversed in either direction, but has a more
* complex end of list detection.
*
* For details on the use of these macros, see the queue(3) manual page.
*/

/*
* Include the definition of NULL only on NetBSD because sys/null.h
* is not available elsewhere.  This conditional makes the header
* portable and it can simply be dropped verbatim into any system.
* The caveat is that on other systems some other header
* must provide NULL before the macros can be used.
*/
```

```
#ifdef __NetBSD__
#include <sys/null.h>
#endif

#if defined(QUEUEDEBUG)
# if defined(_KERNEL)
#  define QUEUEDEBUG_ABORT(...) panic(__VA_ARGS__)
# else
#  include <err.h>
#  define QUEUEDEBUG_ABORT(...) err(1, __VA_ARGS__)
# endif
#endif

/*
* Singly-linked List definitions.
*/
#define SLIST_HEAD(name, type)      \
struct name {       \
 struct type *slh_first; /* first
 element */   \
}

#define SLIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define SLIST_ENTRY(type)      \
struct {       \
 struct type *sle_next; /* next element */   \
}

/*
* Singly-linked List access methods.
*/
#define SLIST_FIRST(head) ((head)->slh_first)
#define SLIST_END(head)  NULL
#define SLIST_EMPTY(head) ((head)->slh_first == NULL)
#define SLIST_NEXT(elm, field) ((elm)->field.sle_next)

#define SLIST_FOREACH(var, head, field)     \
 for((var) = (head)->slh_first;     \
    (var) != SLIST_END(head);     \
    (var) = (var)->field.sle_next)

#define SLIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = SLIST_FIRST((head));    \
    (var) != SLIST_END(head) &&     \
    ((tvar) = SLIST_NEXT((var), field), 1);   \
    (var) = (tvar))
```

```
/*
* Singly-linked List functions.
*/
#define SLIST_INIT(head) do {      \
 (head)->slh_first = SLIST_END(head);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_AFTER(slistelm, elm, field) do {   \
 (elm)->field.sle_next = (slistelm)->field.sle_next;  \
 (slistelm)->field.sle_next
 = (elm);    \
} while (/*CONSTCOND*/0)

#define SLIST_INSERT_HEAD(head, elm, field) do {   \
 (elm)->field.sle_next = (head)->slh_first;   \
 (head)->slh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_AFTER(slistelm, field) do {   \
 (slistelm)->field.sle_next =     \
    SLIST_NEXT(SLIST_NEXT((slistelm), field), field);  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE_HEAD(head, field) do {    \
 (head)->slh_first = (head)->slh_first->field.sle_next;  \
} while (/*CONSTCOND*/0)

#define SLIST_REMOVE(head, elm, type, field) do {   \
 if ((head)->slh_first == (elm)) {    \
  SLIST_REMOVE_HEAD((head), field);   \
 }       \
 else {       \
  struct type *curelm = (head)->slh_first;  \
  while(curelm->field.sle_next != (elm))   \
   curelm = curelm->field.sle_next;  \
  curelm->field.sle_next =    \
     curelm->field.sle_next->field.sle_next;  \
 }       \
} while (/*CONSTCOND*/0)


/*
* List definitions.
 */
#define LIST_HEAD(name, type)      \
struct name {       \
 struct type *lh_first; /* first element */   \
```

```
}

#define LIST_HEAD_INITIALIZER(head)     \
 { NULL }

#define LIST_ENTRY(type)      \
struct {        \
 struct type *le_next; /* next element */   \
 struct type **le_prev; /* address of previous next element */ \
}

/*
* List access methods.
*/
#define LIST_FIRST(head)  ((head)->lh_first)
#define LIST_END(head)   NULL
#define LIST_EMPTY(head)  ((head)->lh_first == LIST_END(head))
#define LIST_NEXT(elm, field)  ((elm)->field.le_next)

#define LIST_FOREACH(var, head, field)     \
 for ((var) = ((head)->lh_first);    \
     (var) != LIST_END(head);     \
     (var) = ((var)->field.le_next))

#define LIST_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = LIST_FIRST((head));    \
     (var) != LIST_END(head) &&     \
     ((tvar) = LIST_NEXT((var), field), 1);   \
     (var) = (tvar))

#define LIST_MOVE(head1, head2) do {     \
 LIST_INIT((head2));      \
 if (!LIST_EMPTY((head1)))
 {     \
  (head2)->lh_first = (head1)->lh_first;   \
  LIST_INIT((head1));     \
 }        \
} while (/*CONSTCOND*/0)

/*
* List functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)   \
 if ((head)->lh_first &&      \
     (head)->lh_first->field.le_prev != &(head)->lh_first) \
  QUEUEDEBUG_ABORT("LIST_INSERT_HEAD %p %s:%d", (head), \
      __FILE__, __LINE__);
```

```
#define QUEUEDEBUG_LIST_OP(elm, field)     \
 if ((elm)->field.le_next &&     \
     (elm)->field.le_next->field.le_prev !=   \
     &(elm)->field.le_next)     \
  QUEUEDEBUG_ABORT("LIST_* forw %p %s:%d", (elm),  \
      __FILE__, __LINE__);    \
 if (*(elm)->field.le_prev != (elm))    \
  QUEUEDEBUG_ABORT("LIST_* back %p %s:%d", (elm),  \
      __FILE__, __LINE__);
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)    \
 (elm)->field.le_next = (void *)1L;    \
 (elm)->field.le_prev = (void *)1L;
#else
#define QUEUEDEBUG_LIST_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_LIST_OP(elm,
 field)
#define QUEUEDEBUG_LIST_POSTREMOVE(elm, field)
#endif

#define LIST_INIT(head) do {      \
 (head)->lh_first = LIST_END(head);    \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_AFTER(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 if (((elm)->field.le_next = (listelm)->field.le_next) !=  \
     LIST_END(head))      \
  (listelm)->field.le_next->field.le_prev =  \
      &(elm)->field.le_next;    \
 (listelm)->field.le_next = (elm);    \
 (elm)->field.le_prev = &(listelm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_LIST_OP((listelm), field)    \
 (elm)->field.le_prev = (listelm)->field.le_prev;  \
 (elm)->field.le_next = (listelm);    \
 *(listelm)->field.le_prev = (elm);    \
 (listelm)->field.le_prev = &(elm)->field.le_next;  \
} while (/*CONSTCOND*/0)

#define LIST_INSERT_HEAD(head, elm, field) do {    \
 QUEUEDEBUG_LIST_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.le_next
 = (head)->lh_first) != LIST_END(head))\
  (head)->lh_first->field.le_prev = &(elm)->field.le_next;\
 (head)->lh_first = (elm);     \
 (elm)->field.le_prev = &(head)->lh_first;   \
```

```
} while (/*CONSTCOND*/0)

#define LIST_REMOVE(elm, field) do {     \
 QUEUEDEBUG_LIST_OP((elm), field)    \
 if ((elm)->field.le_next != NULL)    \
  (elm)->field.le_next->field.le_prev =    \
      (elm)->field.le_prev;    \
 *(elm)->field.le_prev = (elm)->field.le_next;   \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define LIST_REPLACE(elm, elm2, field) do {    \
 if (((elm2)->field.le_next = (elm)->field.le_next) != NULL) \
  (elm2)->field.le_next->field.le_prev =   \
      &(elm2)->field.le_next;    \
 (elm2)->field.le_prev = (elm)->field.le_prev;   \
 *(elm2)->field.le_prev = (elm2);    \
 QUEUEDEBUG_LIST_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

/*
* Simple queue definitions.
*/
#define SIMPLEQ_HEAD(name, type)     \
struct name {        \
 struct
 type *sqh_first; /* first element */   \
 struct type **sqh_last; /* addr of last next element */  \
}

#define SIMPLEQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).sqh_first }

#define SIMPLEQ_ENTRY(type)      \
struct {        \
 struct type *sqe_next; /* next element */   \
}

/*
* Simple queue access methods.
*/
#define SIMPLEQ_FIRST(head)  ((head)->sqh_first)
#define SIMPLEQ_END(head)  NULL
#define SIMPLEQ_EMPTY(head)  ((head)->sqh_first == SIMPLEQ_END(head))
#define SIMPLEQ_NEXT(elm, field) ((elm)->field.sqe_next)

#define SIMPLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->sqh_first);    \
```

```
    (var) != SIMPLEQ_END(head);     \
    (var) = ((var)->field.sqe_next))

#define SIMPLEQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->sqh_first);    \
    (var) != SIMPLEQ_END(head) &&    \
    ((next = ((var)->field.sqe_next)), 1);   \
    (var) = (next))

/*
* Simple queue functions.
*/
#define SIMPLEQ_INIT(head) do {      \
 (head)->sqh_first = NULL;     \
 (head)->sqh_last
 = &(head)->sqh_first;    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.sqe_next = (head)->sqh_first) == NULL) \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (head)->sqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.sqe_next = NULL;     \
 *(head)->sqh_last = (elm);     \
 (head)->sqh_last = &(elm)->field.sqe_next;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.sqe_next = (listelm)->field.sqe_next) == NULL)\
  (head)->sqh_last = &(elm)->field.sqe_next;  \
 (listelm)->field.sqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->sqh_first = (head)->sqh_first->field.sqe_next) == NULL) \
  (head)->sqh_last = &(head)->sqh_first;   \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_REMOVE_AFTER(head, elm, field) do {   \
 if
 (((elm)->field.sqe_next = (elm)->field.sqe_next->field.sqe_next) \
    == NULL)       \
  (head)->sqh_last = &(elm)->field.sqe_next;  \
} while (/*CONSTCOND*/0)
```

```
#define SIMPLEQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->sqh_first == (elm)) {    \
  SIMPLEQ_REMOVE_HEAD((head), field);   \
 } else {      \
  struct type *curelm = (head)->sqh_first;  \
  while (curelm->field.sqe_next != (elm))   \
   curelm = curelm->field.sqe_next;  \
  if ((curelm->field.sqe_next =    \
   curelm->field.sqe_next->field.sqe_next) == NULL) \
      (head)->sqh_last = &(curelm)->field.sqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_CONCAT(head1, head2) do {    \
 if (!SIMPLEQ_EMPTY((head2))) {     \
  *(head1)->sqh_last = (head2)->sqh_first;  \
  (head1)->sqh_last = (head2)->sqh_last;  \
  SIMPLEQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

#define SIMPLEQ_LAST(head, type, field)     \
 (SIMPLEQ_EMPTY((head)) ?      \
  NULL :       \
       ((struct type
 *)(void *)    \
  ((char *)((head)->sqh_last) - offsetof(struct type, field))))

/*
* Tail queue definitions.
*/
#define _TAILQ_HEAD(name, type, qual)     \
struct name {       \
 qual type *tqh_first;  /* first element */  \
 qual type *qual *tqh_last; /* addr of last next element */ \
}
#define TAILQ_HEAD(name, type) _TAILQ_HEAD(name, struct type,)

#define TAILQ_HEAD_INITIALIZER(head)     \
 { TAILQ_END(head), &(head).tqh_first }

#define _TAILQ_ENTRY(type, qual)     \
struct {       \
 qual type *tqe_next;  /* next element */  \
 qual type *qual *tqe_prev; /* address of previous next element */\
}
#define TAILQ_ENTRY(type) _TAILQ_ENTRY(struct type,)
```

```
/*
* Tail queue access methods.
*/
#define TAILQ_FIRST(head)  ((head)->tqh_first)
#define TAILQ_END(head)   (NULL)
#define TAILQ_NEXT(elm, field)  ((elm)->field.tqe_next)
#define TAILQ_LAST(head, headname) \
 (*(((struct headname *)(void *)((head)->tqh_last))->tqh_last))
#define TAILQ_PREV(elm, headname, field) \
 (*(((struct headname
 *)(void *)((elm)->field.tqe_prev))->tqh_last))
#define TAILQ_EMPTY(head)  (TAILQ_FIRST(head) == TAILQ_END(head))


#define TAILQ_FOREACH(var, head, field)     \
 for ((var) = ((head)->tqh_first);    \
     (var) != TAILQ_END(head);     \
     (var) = ((var)->field.tqe_next))

#define TAILQ_FOREACH_SAFE(var, head, field, next)   \
 for ((var) = ((head)->tqh_first);    \
     (var) != TAILQ_END(head) &&     \
     ((next) = TAILQ_NEXT(var, field), 1); (var) = (next))

#define TAILQ_FOREACH_REVERSE(var, head, headname, field)  \
 for ((var) = TAILQ_LAST((head), headname);   \
     (var) != TAILQ_END(head);     \
     (var) = TAILQ_PREV((var), headname, field))

#define TAILQ_FOREACH_REVERSE_SAFE(var, head, headname, field, prev) \
 for ((var) = TAILQ_LAST((head), headname);   \
     (var) != TAILQ_END(head) &&     \
     ((prev) = TAILQ_PREV((var), headname, field), 1); (var) = (prev))

/*
* Tail queue functions.
*/
#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head,
 elm, field)   \
 if ((head)->tqh_first &&     \
     (head)->tqh_first->field.tqe_prev != &(head)->tqh_first) \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_HEAD %p %s:%d", (head), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)   \
 if (*(head)->tqh_last != NULL)     \
  QUEUEDEBUG_ABORT("TAILQ_INSERT_TAIL %p %s:%d", (head), \
      __FILE__, __LINE__);
```

```
#define QUEUEDEBUG_TAILQ_OP(elm, field)     \
 if ((elm)->field.tqe_next &&     \
     (elm)->field.tqe_next->field.tqe_prev !=   \
     &(elm)->field.tqe_next)     \
  QUEUEDEBUG_ABORT("TAILQ_* forw %p %s:%d", (elm), \
      __FILE__, __LINE__);    \
 if (*(elm)->field.tqe_prev != (elm))    \
  QUEUEDEBUG_ABORT("TAILQ_* back %p %s:%d", (elm), \
      __FILE__, __LINE__);
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)   \
 if ((elm)->field.tqe_next == NULL &&    \
     (head)->tqh_last != &(elm)->field.tqe_next)   \
  QUEUEDEBUG_ABORT("TAILQ_PREREMOVE head %p elm %p %s:%d",\
      (head), (elm), __FILE__,
 __LINE__);
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)    \
 (elm)->field.tqe_next = (void *)1L;    \
 (elm)->field.tqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_TAILQ_INSERT_HEAD(head, elm, field)
#define QUEUEDEBUG_TAILQ_INSERT_TAIL(head, elm, field)
#define QUEUEDEBUG_TAILQ_OP(elm, field)
#define QUEUEDEBUG_TAILQ_PREREMOVE(head, elm, field)
#define QUEUEDEBUG_TAILQ_POSTREMOVE(elm, field)
#endif

#define TAILQ_INIT(head) do {      \
 (head)->tqh_first = TAILQ_END(head);    \
 (head)->tqh_last = &(head)->tqh_first;    \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_HEAD((head), (elm), field)  \
 if (((elm)->field.tqe_next = (head)->tqh_first) != TAILQ_END(head))\
  (head)->tqh_first->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (head)->tqh_first = (elm);     \
 (elm)->field.tqe_prev = &(head)->tqh_first;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_TAIL(head,
 elm, field) do {   \
 QUEUEDEBUG_TAILQ_INSERT_TAIL((head), (elm), field)  \
 (elm)->field.tqe_next = TAILQ_END(head);   \
 (elm)->field.tqe_prev = (head)->tqh_last;   \
 *(head)->tqh_last = (elm);     \
```

```
 (head)->tqh_last = &(elm)->field.tqe_next;   \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 if (((elm)->field.tqe_next = (listelm)->field.tqe_next) !=  \
    TAILQ_END(head))      \
  (elm)->field.tqe_next->field.tqe_prev =   \
     &(elm)->field.tqe_next;    \
 else       \
  (head)->tqh_last = &(elm)->field.tqe_next;  \
 (listelm)->field.tqe_next = (elm);    \
 (elm)->field.tqe_prev = &(listelm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)

#define TAILQ_INSERT_BEFORE(listelm, elm, field) do {   \
 QUEUEDEBUG_TAILQ_OP((listelm), field)    \
 (elm)->field.tqe_prev = (listelm)->field.tqe_prev;  \
 (elm)->field.tqe_next = (listelm);    \
 *(listelm)->field.tqe_prev = (elm);    \
 (listelm)->field.tqe_prev
 = &(elm)->field.tqe_next;  \
} while (/*CONSTCOND*/0)

#define TAILQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_TAILQ_PREREMOVE((head), (elm), field)  \
 QUEUEDEBUG_TAILQ_OP((elm), field)    \
 if (((elm)->field.tqe_next) != TAILQ_END(head))   \
  (elm)->field.tqe_next->field.tqe_prev =   \
     (elm)->field.tqe_prev;    \
 else       \
  (head)->tqh_last = (elm)->field.tqe_prev;  \
 *(elm)->field.tqe_prev = (elm)->field.tqe_next;   \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm), field);   \
} while (/*CONSTCOND*/0)

#define TAILQ_REPLACE(head, elm, elm2, field) do {   \
      if (((elm2)->field.tqe_next = (elm)->field.tqe_next) !=  \
    TAILQ_END(head))        \
            (elm2)->field.tqe_next->field.tqe_prev =  \
               &(elm2)->field.tqe_next;    \
      else       \
            (head)->tqh_last = &(elm2)->field.tqe_next;  \
      (elm2)->field.tqe_prev = (elm)->field.tqe_prev;   \
      *(elm2)->field.tqe_prev = (elm2);    \
 QUEUEDEBUG_TAILQ_POSTREMOVE((elm),
 field);   \
} while (/*CONSTCOND*/0)
```

```
#define TAILQ_CONCAT(head1, head2, field) do {    \
 if (!TAILQ_EMPTY(head2)) {     \
  *(head1)->tqh_last = (head2)->tqh_first;  \
  (head2)->tqh_first->field.tqe_prev = (head1)->tqh_last; \
  (head1)->tqh_last = (head2)->tqh_last;   \
  TAILQ_INIT((head2));     \
 }       \
} while (/*CONSTCOND*/0)

/*
* Singly-linked Tail queue declarations.
*/
#define STAILQ_HEAD(name, type)      \
struct name {        \
 struct type *stqh_first; /* first element */  \
 struct type **stqh_last; /* addr of last next element */ \
}

#define STAILQ_HEAD_INITIALIZER(head)     \
 { NULL, &(head).stqh_first }

#define STAILQ_ENTRY(type)      \
struct {        \
 struct type *stqe_next; /* next element */   \
}

/*
* Singly-linked Tail queue access methods.
*/
#define STAILQ_FIRST(head) ((head)->stqh_first)
#define STAILQ_END(head) NULL
#define STAILQ_NEXT(elm, field) ((elm)->field.stqe_next)
#define STAILQ_EMPTY(head) (STAILQ_FIRST(head)
 == STAILQ_END(head))

/*
* Singly-linked Tail queue functions.
*/
#define STAILQ_INIT(head) do {      \
 (head)->stqh_first = NULL;     \
 (head)->stqh_last = &(head)->stqh_first;    \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_HEAD(head, elm, field) do {   \
 if (((elm)->field.stqe_next = (head)->stqh_first) == NULL) \
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (head)->stqh_first = (elm);     \
```

```
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_TAIL(head, elm, field) do {   \
 (elm)->field.stqe_next = NULL;     \
 *(head)->stqh_last = (elm);     \
 (head)->stqh_last = &(elm)->field.stqe_next;   \
} while (/*CONSTCOND*/0)

#define STAILQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 if (((elm)->field.stqe_next = (listelm)->field.stqe_next) == NULL)\
  (head)->stqh_last = &(elm)->field.stqe_next;  \
 (listelm)->field.stqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE_HEAD(head, field) do {    \
 if (((head)->stqh_first = (head)->stqh_first->field.stqe_next)
 == NULL) \
  (head)->stqh_last = &(head)->stqh_first;   \
} while (/*CONSTCOND*/0)

#define STAILQ_REMOVE(head, elm, type, field) do {   \
 if ((head)->stqh_first == (elm)) {    \
  STAILQ_REMOVE_HEAD((head), field);   \
 } else {       \
  struct type *curelm = (head)->stqh_first;  \
  while (curelm->field.stqe_next != (elm))   \
   curelm = curelm->field.stqe_next;  \
  if ((curelm->field.stqe_next =    \
   curelm->field.stqe_next->field.stqe_next) == NULL) \
      (head)->stqh_last = &(curelm)->field.stqe_next; \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->stqh_first);    \
  (var);       \
  (var) = ((var)->field.stqe_next))

#define STAILQ_FOREACH_SAFE(var, head, field, tvar)   \
 for ((var) = STAILQ_FIRST((head));    \
    (var) && ((tvar) = STAILQ_NEXT((var), field), 1);  \
    (var) = (tvar))

#define STAILQ_CONCAT(head1, head2) do {    \
 if (!STAILQ_EMPTY((head2))) {     \
  *(head1)->stqh_last
 = (head2)->stqh_first;  \
  (head1)->stqh_last = (head2)->stqh_last;  \
```

```
 STAILQ_INIT((head2));    \
 }       \
} while (/*CONSTCOND*/0)

#define STAILQ_LAST(head, type, field)    \
 (STAILQ_EMPTY((head)) ?     \
  NULL :      \
       ((struct type *)(void *)    \
  ((char *)((head)->stqh_last) - offsetof(struct type, field))))


#ifndef _KERNEL
/*
* Circular queue definitions. Do not use. We still keep the macros
* for compatibility but because of pointer aliasing issues their use
* is discouraged!
*/

/*
* __launder_type():  We use this ugly hack to work around the the compiler
* noticing that two types may not alias each other and elide tests in code.
* We hit this in the CIRCLEQ macros when comparing 'struct name *' and
* 'struct type *' (see CIRCLEQ_HEAD()).  Modern compilers (such as GCC
* 4.8) declare these comparisons as always false, causing the code to
* not run as designed.
*
* This hack is only to be used for comparisons and thus can be fully const.
 * Do not use for assignment.
*
* If we ever choose to change the ABI of the CIRCLEQ macros, we could fix
* this by changing the head/tail sentinal values, but see the note above
* this one.
*/
static __inline const void * __launder_type(const void *);
static __inline const void *
__launder_type(const void *__x)
{
 __asm __volatile("" : "+r" (__x));
 return __x;
}

#if defined(QUEUEDEBUG)
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)    \
 if ((head)->cqh_first != CIRCLEQ_ENDC(head) &&   \
    (head)->cqh_first->field.cqe_prev != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head forw %p %s:%d", (head), \
       __FILE__, __LINE__);    \
 if ((head)->cqh_last != CIRCLEQ_ENDC(head) &&   \
```

```
    (head)->cqh_last->field.cqe_next != CIRCLEQ_ENDC(head)) \
  QUEUEDEBUG_ABORT("CIRCLEQ head back %p %s:%d", (head), \
       __FILE__, __LINE__);
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_last != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ
 elm last %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 } else {       \
  if ((elm)->field.cqe_next->field.cqe_prev != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm forw %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 }       \
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head)) {  \
  if ((head)->cqh_first != (elm))    \
   QUEUEDEBUG_ABORT("CIRCLEQ elm first %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 } else {       \
  if ((elm)->field.cqe_prev->field.cqe_next != (elm)) \
   QUEUEDEBUG_ABORT("CIRCLEQ elm prev %p %s:%d", \
      (elm), __FILE__, __LINE__);   \
 }
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)   \
 (elm)->field.cqe_next = (void *)1L;    \
 (elm)->field.cqe_prev = (void *)1L;
#else
#define QUEUEDEBUG_CIRCLEQ_HEAD(head, field)
#define QUEUEDEBUG_CIRCLEQ_ELM(head, elm, field)
#define QUEUEDEBUG_CIRCLEQ_POSTREMOVE(elm, field)
#endif

#define CIRCLEQ_HEAD(name, type)     \
struct name {        \
 struct type *cqh_first;  /*
 first element */  \
 struct type *cqh_last;  /* last element */  \
}

#define CIRCLEQ_HEAD_INITIALIZER(head)     \
 { CIRCLEQ_END(&head), CIRCLEQ_END(&head) }

#define CIRCLEQ_ENTRY(type)      \
struct {        \
 struct type *cqe_next;  /* next element */  \
 struct type *cqe_prev;  /* previous element */  \
}
```

```
/*
* Circular queue functions.
*/
#define CIRCLEQ_INIT(head) do {      \
 (head)->cqh_first = CIRCLEQ_END(head);    \
 (head)->cqh_last = CIRCLEQ_END(head);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_AFTER(head, listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm)->field.cqe_next;  \
 (elm)->field.cqe_prev = (listelm);    \
 if ((listelm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
  (head)->cqh_last = (elm);    \
 else       \
  (listelm)->field.cqe_next->field.cqe_prev = (elm); \
 (listelm)->field.cqe_next = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_BEFORE(head,
 listelm, elm, field) do {  \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (listelm), field)  \
 (elm)->field.cqe_next = (listelm);    \
 (elm)->field.cqe_prev = (listelm)->field.cqe_prev;  \
 if ((listelm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm);    \
 else       \
  (listelm)->field.cqe_prev->field.cqe_next = (elm); \
 (listelm)->field.cqe_prev = (elm);    \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_HEAD(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next = (head)->cqh_first;   \
 (elm)->field.cqe_prev = CIRCLEQ_END(head);   \
 if ((head)->cqh_last == CIRCLEQ_ENDC(head))   \
  (head)->cqh_last = (elm);    \
 else       \
  (head)->cqh_first->field.cqe_prev = (elm);  \
 (head)->cqh_first = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_INSERT_TAIL(head, elm, field) do {   \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 (elm)->field.cqe_next
```

```
 = CIRCLEQ_END(head);   \
 (elm)->field.cqe_prev = (head)->cqh_last;   \
 if ((head)->cqh_first == CIRCLEQ_ENDC(head))   \
  (head)->cqh_first = (elm);    \
 else       \
  (head)->cqh_last->field.cqe_next = (elm);  \
 (head)->cqh_last = (elm);     \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_REMOVE(head, elm, field) do {    \
 QUEUEDEBUG_CIRCLEQ_HEAD((head), field)    \
 QUEUEDEBUG_CIRCLEQ_ELM((head), (elm), field)   \
 if ((elm)->field.cqe_next == CIRCLEQ_ENDC(head))  \
  (head)->cqh_last = (elm)->field.cqe_prev;  \
 else       \
  (elm)->field.cqe_next->field.cqe_prev =   \
      (elm)->field.cqe_prev;    \
 if ((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))  \
  (head)->cqh_first = (elm)->field.cqe_next;  \
 else       \
  (elm)->field.cqe_prev->field.cqe_next =   \
      (elm)->field.cqe_next;    \
 QUEUEDEBUG_CIRCLEQ_POSTREMOVE((elm), field)   \
} while (/*CONSTCOND*/0)

#define CIRCLEQ_FOREACH(var, head, field)    \
 for ((var) = ((head)->cqh_first);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var)
 = ((var)->field.cqe_next))

#define CIRCLEQ_FOREACH_REVERSE(var, head, field)   \
 for ((var) = ((head)->cqh_last);    \
  (var) != CIRCLEQ_ENDC(head);    \
  (var) = ((var)->field.cqe_prev))

/*
* Circular queue access methods.
*/
#define CIRCLEQ_FIRST(head)  ((head)->cqh_first)
#define CIRCLEQ_LAST(head)  ((head)->cqh_last)
/* For comparisons */
#define CIRCLEQ_ENDC(head)  (__launder_type(head))
/* For assignments */
#define CIRCLEQ_END(head)  ((void *)(head))
#define CIRCLEQ_NEXT(elm, field) ((elm)->field.cqe_next)
#define CIRCLEQ_PREV(elm, field) ((elm)->field.cqe_prev)
#define CIRCLEQ_EMPTY(head)      \
```

```
   (CIRCLEQ_FIRST(head) == CIRCLEQ_ENDC(head))

#define CIRCLEQ_LOOP_NEXT(head, elm, field)    \
 (((elm)->field.cqe_next == CIRCLEQ_ENDC(head))   \
    ? ((head)->cqh_first)     \
    : (elm->field.cqe_next))
#define CIRCLEQ_LOOP_PREV(head, elm, field)    \
 (((elm)->field.cqe_prev == CIRCLEQ_ENDC(head))   \
    ? ((head)->cqh_last)     \
    :
 (elm->field.cqe_prev))
#endif /* !_KERNEL */

#endif /* !_SYS_QUEUE_H_ */
#ifndef _SYS_CDEFS_H_
#define _SYS_CDEFS_H_

#warning usage of non-standard #include <sys/cdefs.h> is deprecated

#undef __P
#undef __PMT

#define __P(args) args
#define __PMT(args) args

#define __CONCAT(x,y) x ## y
#define __STRING(x) #x

#ifdef  __cplusplus
# define __BEGIN_DECLS extern "C" {
# define __END_DECLS }
#else
# define __BEGIN_DECLS
# define __END_DECLS
#endif

#if defined(__GNUC__) && !defined(__cplusplus)
# define __THROW __attribute__ ((__nothrow__))
# define __NTH(fct) __attribute__ ((__nothrow__)) fct
#else
# define __THROW
# define __NTH(fct)     fct
#endif

#endif /* _SYS_CDEFS_H_ */
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
```

```
_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=3
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
makedepends="py3-gpep517 py3-wheel"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright"                  # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
 gpep517 build-wheel \
  --wheel-dir .dist \
  --output-fd 3 3>&1 >&2
}

package() {
 gpep517 install-wheel --destdir "$pkgdir" \
  .dist/*.whl
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d
  flake8-copyright-0.2.4.tar.gz
"
# Maintainer: fossdd <fossdd@pwned.life>
pkgname=cargo-license
pkgver=0.6.1
pkgrel=1
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all"
license="MIT"
makedepends="cargo cargo-auditable"
source="$pkgname-$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/$pkgver/download"

prepare() {
 default_prepare

 cargo fetch --target="$CTARGET" --locked
```

```
}

build() {
 cargo auditable build --release --frozen
}

check() {
 cargo test --frozen
}

package() {
 install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
36215145e79965be090ae2f5ce6f5eb208465eb67a94c26bed1fe70a131c46c6dc35695e30852759b7366883fbc3caf00
272d796ac634f0a5e1d49232b6b29d5  cargo-license-0.6.1.tar.gz
"
/* $NetBSD: tree.h,v 1.20 2013/09/14 13:20:45 joerg Exp $ */
/* $OpenBSD: tree.h,v 1.13 2011/07/09 00:19:45 pirofti Exp $ */
/* Modified by Void Linux. */
/*
* Copyright 2002 Niels Provos <provos@citi.umich.edu>
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*
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* are met:
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*    notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
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* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE
 AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

#ifndef _SYS_TREE_H_
```

```
#define _SYS_TREE_H_

#ifdef __GNUC__
#define __GNUC_PREREQ__(x, y)      \
 ((__GNUC__ == (x) && __GNUC_MINOR__ >= (y)) ||   \
  (__GNUC__ > (x)))
#else
#define __GNUC_PREREQ__(x, y) 0
#endif

#if __GNUC_PREREQ__(2, 7) || defined(__lint__)
#define _sys_tree_h_unused __attribute__((__unused__))
#else
#define _sys_tree_h_unused /* delete */
#endif

/*
* This file defines data structures for different types of trees:
* splay trees and red-black trees.
*
* A splay tree is a self-organizing
 data structure.  Every operation
* on the tree causes a splay to happen.  The splay moves the requested
* node to the root of the tree and partly rebalances it.
*
* This has the benefit that request locality causes faster lookups as
* the requested nodes move to the top of the tree.  On the other hand,
* every lookup causes memory writes.
*
* The Balance Theorem bounds the total access time for m operations
* and n inserts on an initially empty tree as O((m + n)lg n).  The
* amortized cost for a sequence of m accesses to a splay tree is O(lg n);
*
* A red-black tree is a binary search tree with the node color as an
* extra attribute.  It fulfills a set of conditions:
* - every search path from the root to a leaf consists of the
*   same number of black nodes,
* - each red node (except for the root) has a black parent,
* - each leaf node is black.
*
* Every operation on a red-black tree is bounded as O(lg n).
* The maximum height of a red-black tree is 2lg (n+1).
 */

#define SPLAY_HEAD(name, type)      \
struct name {       \
 struct type *sph_root; /* root of the tree */   \
}
```

```
#define SPLAY_INITIALIZER(root)      \
 { NULL }

#define SPLAY_INIT(root) do {      \
 (root)->sph_root = NULL;     \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ENTRY(type)      \
struct {        \
 struct type *spe_left; /* left element */   \
 struct type *spe_right; /* right element */   \
}

#define SPLAY_LEFT(elm, field)  (elm)->field.spe_left
#define SPLAY_RIGHT(elm, field)  (elm)->field.spe_right
#define SPLAY_ROOT(head)  (head)->sph_root
#define SPLAY_EMPTY(head)  (SPLAY_ROOT(head) == NULL)

/* SPLAY_ROTATE_{LEFT,RIGHT} expect that tmp hold SPLAY_{RIGHT,LEFT} */
#define SPLAY_ROTATE_RIGHT(head, tmp, field) do {   \
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(tmp, field); \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ROTATE_LEFT(head, tmp, field) do {   \
 SPLAY_RIGHT((head)->sph_root,
 field) = SPLAY_LEFT(tmp, field); \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 (head)->sph_root = tmp;      \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKLEFT(head, tmp, field) do {    \
 SPLAY_LEFT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);  \
} while (/*CONSTCOND*/ 0)

#define SPLAY_LINKRIGHT(head, tmp, field) do {    \
 SPLAY_RIGHT(tmp, field) = (head)->sph_root;   \
 tmp = (head)->sph_root;      \
 (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field); \
} while (/*CONSTCOND*/ 0)

#define SPLAY_ASSEMBLE(head, node, left, right, field) do {  \
 SPLAY_RIGHT(left, field) = SPLAY_LEFT((head)->sph_root, field); \
 SPLAY_LEFT(right, field) = SPLAY_RIGHT((head)->sph_root, field);\
```

```
 SPLAY_LEFT((head)->sph_root, field) = SPLAY_RIGHT(node, field); \
 SPLAY_RIGHT((head)->sph_root, field) = SPLAY_LEFT(node, field); \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */

#define
 SPLAY_PROTOTYPE(name, type, field, cmp)    \
void name##_SPLAY(struct name *, struct type *);   \
void name##_SPLAY_MINMAX(struct name *, int);    \
struct type *name##_SPLAY_INSERT(struct name *, struct type *);  \
struct type *name##_SPLAY_REMOVE(struct name *, struct type *);  \
        \
/* Finds the node with the same key as elm */    \
static __inline struct type *      \
name##_SPLAY_FIND(struct name *head, struct type *elm)   \
{         \
 if (SPLAY_EMPTY(head))      \
  return(NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0)    \
  return (head->sph_root);    \
 return (NULL);       \
}         \
        \
static __inline _sys_tree_h_unused struct type *   \
name##_SPLAY_NEXT(struct name *head, struct type *elm)   \
{         \
 name##_SPLAY(head, elm);     \
 if (SPLAY_RIGHT(elm, field) != NULL) {    \
  elm = SPLAY_RIGHT(elm, field);    \
  while (SPLAY_LEFT(elm, field) != NULL) {  \
   elm = SPLAY_LEFT(elm, field);   \
  }       \
 }
 else        \
  elm = NULL;      \
 return (elm);       \
}         \
        \
static _sys_tree_h_unused __inline struct type *   \
name##_SPLAY_MIN_MAX(struct name *head, int val)   \
{         \
 name##_SPLAY_MINMAX(head, val);     \
       return (SPLAY_ROOT(head));     \
}

/* Main splay operation.
```

```
* Moves node close to the key of elm to top
*/
#define SPLAY_GENERATE(name, type, field, cmp)    \
struct type *       \
name##_SPLAY_INSERT(struct name *head, struct type *elm)  \
{       \
  if (SPLAY_EMPTY(head)) {      \
    SPLAY_LEFT(elm, field) = SPLAY_RIGHT(elm, field) = NULL; \
  } else {       \
    int __comp;       \
    name##_SPLAY(head, elm);     \
    __comp = (cmp)(elm, (head)->sph_root);   \
    if(__comp < 0) {      \
     SPLAY_LEFT(elm, field) = SPLAY_LEFT((head)->sph_root, field);\
     SPLAY_RIGHT(elm, field) = (head)->sph_root;  \
     SPLAY_LEFT((head)->sph_root, field) = NULL;  \
    } else if (__comp > 0) {     \
     SPLAY_RIGHT(elm,
 field) = SPLAY_RIGHT((head)->sph_root, field);\
     SPLAY_LEFT(elm, field) = (head)->sph_root;  \
     SPLAY_RIGHT((head)->sph_root, field) = NULL; \
    } else       \
     return ((head)->sph_root);    \
  }       \
  (head)->sph_root = (elm);      \
  return (NULL);       \
}       \
       \
struct type *       \
name##_SPLAY_REMOVE(struct name *head, struct type *elm)  \
{       \
 struct type *__tmp;      \
 if (SPLAY_EMPTY(head))      \
  return (NULL);      \
 name##_SPLAY(head, elm);     \
 if ((cmp)(elm, (head)->sph_root) == 0) {   \
  if (SPLAY_LEFT((head)->sph_root, field) == NULL) { \
   (head)->sph_root = SPLAY_RIGHT((head)->sph_root, field);\
  } else {      \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   (head)->sph_root = SPLAY_LEFT((head)->sph_root, field);\
   name##_SPLAY(head, elm);   \
   SPLAY_RIGHT((head)->sph_root, field) = __tmp; \
  }       \
  return (elm);      \
 }       \
 return (NULL);       \
}       \
```

```
        \
void        \
name##_SPLAY(struct
 name *head, struct type *elm)   \
{       \
 struct type __node, *__left, *__right, *__tmp;   \
 int __comp;      \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
 while ((__comp = (cmp)(elm, (head)->sph_root)) != 0) {  \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) < 0){   \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if ((cmp)(elm, __tmp) > 0){   \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
 }       \
 SPLAY_ASSEMBLE(head,
 &__node, __left, __right, field);  \
}       \
        \
/* Splay with either the minimum or the maximum element   \
* Used to find minimum or maximum element in tree.   \
*/        \
void name##_SPLAY_MINMAX(struct name *head, int __comp) \
{       \
 struct type __node, *__left, *__right, *__tmp;   \
\
 SPLAY_LEFT(&__node, field) = SPLAY_RIGHT(&__node, field) = NULL;\
 __left = __right = &__node;     \
\
```

```
 while (1) {       \
  if (__comp < 0) {     \
   __tmp = SPLAY_LEFT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp < 0){    \
    SPLAY_ROTATE_RIGHT(head, __tmp, field); \
    if (SPLAY_LEFT((head)->sph_root, field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKLEFT(head, __right, field);  \
  } else if (__comp > 0) {    \
   __tmp = SPLAY_RIGHT((head)->sph_root, field); \
   if (__tmp == NULL)    \
    break;     \
   if (__comp > 0) {    \
    SPLAY_ROTATE_LEFT(head, __tmp, field); \
    if (SPLAY_RIGHT((head)->sph_root,
 field) == NULL)\
     break;    \
   }      \
   SPLAY_LINKRIGHT(head, __left, field);  \
  }       \
 }       \
 SPLAY_ASSEMBLE(head, &__node, __left, __right, field);  \
}

#define SPLAY_NEGINF -1
#define SPLAY_INF 1

#define SPLAY_INSERT(name, x, y) name##_SPLAY_INSERT(x, y)
#define SPLAY_REMOVE(name, x, y) name##_SPLAY_REMOVE(x, y)
#define SPLAY_FIND(name, x, y)  name##_SPLAY_FIND(x, y)
#define SPLAY_NEXT(name, x, y)  name##_SPLAY_NEXT(x, y)
#define SPLAY_MIN(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_NEGINF))
#define SPLAY_MAX(name, x)  (SPLAY_EMPTY(x) ? NULL \
    : name##_SPLAY_MIN_MAX(x, SPLAY_INF))

#define SPLAY_FOREACH(x, name, head)     \
 for ((x) = SPLAY_MIN(name, head);    \
      (x) != NULL;      \
      (x) = SPLAY_NEXT(name, head, x))

/* Macros that define a red-black tree */
#define RB_HEAD(name, type)      \
struct name {       \
 struct type *rbh_root; /* root of the tree */   \
```

```
}

#define RB_INITIALIZER(root)	\
 {
 NULL }

#define RB_INIT(root) do {	\
 (root)->rbh_root = NULL;	\
} while (/*CONSTCOND*/ 0)

#define RB_BLACK 0
#define RB_RED  1
#define RB_ENTRY(type)	\
struct {	\
 struct type *rbe_left;  /* left element */  \
 struct type *rbe_right;  /* right element */  \
 struct type *rbe_parent; /* parent element */  \
 int rbe_color;   /* node color */  \
}

#define RB_LEFT(elm, field)  (elm)->field.rbe_left
#define RB_RIGHT(elm, field)  (elm)->field.rbe_right
#define RB_PARENT(elm, field)  (elm)->field.rbe_parent
#define RB_COLOR(elm, field)  (elm)->field.rbe_color
#define RB_ROOT(head)   (head)->rbh_root
#define RB_EMPTY(head)   (RB_ROOT(head) == NULL)

#define RB_SET(elm, parent, field) do {	\
 RB_PARENT(elm, field) = parent;	\
 RB_LEFT(elm, field) = RB_RIGHT(elm, field) = NULL;  \
 RB_COLOR(elm, field) = RB_RED;	\
} while (/*CONSTCOND*/ 0)

#define RB_SET_BLACKRED(black, red, field) do {	\
 RB_COLOR(black, field) = RB_BLACK;	\
 RB_COLOR(red, field)
 = RB_RED;	\
} while (/*CONSTCOND*/ 0)

#ifndef RB_AUGMENT
#define RB_AUGMENT(x) do {} while (/*CONSTCOND*/ 0)
#endif

#define RB_ROTATE_LEFT(head, elm, tmp, field) do {	\
 (tmp) = RB_RIGHT(elm, field);	\
 if ((RB_RIGHT(elm, field) = RB_LEFT(tmp, field)) != NULL) { \
  RB_PARENT(RB_LEFT(tmp, field), field) = (elm);  \
 }	\
```

```
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_LEFT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

#define RB_ROTATE_RIGHT(head, elm, tmp, field) do {    \
 (tmp) = RB_LEFT(elm, field);     \
 if ((RB_LEFT(elm, field) = RB_RIGHT(tmp, field))
 != NULL) { \
  RB_PARENT(RB_RIGHT(tmp, field), field) = (elm);  \
 }       \
 RB_AUGMENT(elm);      \
 if ((RB_PARENT(tmp, field) = RB_PARENT(elm, field)) != NULL) { \
  if ((elm) == RB_LEFT(RB_PARENT(elm, field), field)) \
   RB_LEFT(RB_PARENT(elm, field), field) = (tmp); \
  else      \
   RB_RIGHT(RB_PARENT(elm, field), field) = (tmp); \
 } else       \
  (head)->rbh_root = (tmp);    \
 RB_RIGHT(tmp, field) = (elm);     \
 RB_PARENT(elm, field) = (tmp);     \
 RB_AUGMENT(tmp);      \
 if ((RB_PARENT(tmp, field)))     \
  RB_AUGMENT(RB_PARENT(tmp, field));   \
} while (/*CONSTCOND*/ 0)

/* Generates prototypes and inline functions */
#define RB_PROTOTYPE(name, type, field, cmp)    \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp,)
#define RB_PROTOTYPE_STATIC(name, type, field, cmp)   \
 RB_PROTOTYPE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_PROTOTYPE_INTERNAL(name, type, field, cmp, attr)  \
attr void name##_RB_INSERT_COLOR(struct name *, struct
 type *);  \
attr void name##_RB_REMOVE_COLOR(struct name *, struct type *, struct type *);\
attr struct type *name##_RB_REMOVE(struct name *, struct type *); \
attr struct type *name##_RB_INSERT(struct name *, struct type *); \
attr struct type *name##_RB_FIND(struct name *, struct type *);  \
```

```
attr struct type *name##_RB_NFIND(struct name *, struct type *); \
attr struct type *name##_RB_NEXT(struct type *);   \
attr struct type *name##_RB_PREV(struct type *);   \
attr struct type *name##_RB_MINMAX(struct name *, int);   \
        \

/* Main rb operation.
* Moves node close to the key of elm to top
*/
#define RB_GENERATE(name, type, field, cmp)    \
 RB_GENERATE_INTERNAL(name, type, field, cmp,)
#define RB_GENERATE_STATIC(name, type, field, cmp)   \
 RB_GENERATE_INTERNAL(name, type, field, cmp, _sys_tree_h_unused static)
#define RB_GENERATE_INTERNAL(name, type, field, cmp, attr)  \
attr void       \
name##_RB_INSERT_COLOR(struct name *head, struct type *elm)  \
{       \
 struct type
 *parent, *gparent, *tmp;    \
 while ((parent = RB_PARENT(elm, field)) != NULL &&  \
     RB_COLOR(parent, field) == RB_RED) {   \
  gparent = RB_PARENT(parent, field);   \
  if (parent == RB_LEFT(gparent, field)) {  \
   tmp = RB_RIGHT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_RIGHT(parent, field) == elm) {  \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = parent;    \
    parent = elm;    \
    elm = tmp;    \
   }      \
   RB_SET_BLACKRED(parent, gparent, field); \
   RB_ROTATE_RIGHT(head, gparent, tmp, field); \
  } else {      \
   tmp = RB_LEFT(gparent, field);   \
   if (tmp && RB_COLOR(tmp, field) == RB_RED) { \
    RB_COLOR(tmp, field) = RB_BLACK; \
    RB_SET_BLACKRED(parent, gparent, field);\
    elm = gparent;    \
    continue;    \
   }      \
   if (RB_LEFT(parent, field) == elm)
```

```
 {  \
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   tmp = parent;    \
   parent = elm;    \
   elm = tmp;    \
  }      \
  RB_SET_BLACKRED(parent, gparent, field); \
  RB_ROTATE_LEFT(head, gparent, tmp, field); \
 }       \
 }       \
 RB_COLOR(head->rbh_root, field) = RB_BLACK;   \
}        \
        \
attr void        \
name##_RB_REMOVE_COLOR(struct name *head, struct type *parent, struct type *elm) \
{        \
 struct type *tmp;      \
 while ((elm == NULL || RB_COLOR(elm, field) == RB_BLACK) && \
     elm != RB_ROOT(head)) {     \
  if (RB_LEFT(parent, field) == elm) {    \
   tmp = RB_RIGHT(parent, field);    \
   if (RB_COLOR(tmp, field) == RB_RED) {  \
    RB_SET_BLACKRED(tmp, parent, field); \
    RB_ROTATE_LEFT(head, parent, tmp, field);\
    tmp = RB_RIGHT(parent, field);  \
   }      \
   if ((RB_LEFT(tmp, field) == NULL ||  \
       RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
       (RB_RIGHT(tmp, field) == NULL ||  \
       RB_COLOR(RB_RIGHT(tmp,
 field), field) == RB_BLACK)) {\
    RB_COLOR(tmp, field) = RB_RED;  \
    elm = parent;    \
    parent = RB_PARENT(elm, field);  \
   } else {     \
    if (RB_RIGHT(tmp, field) == NULL || \
        RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK) {\
     struct type *oleft;  \
     if ((oleft = RB_LEFT(tmp, field)) \
         != NULL)   \
      RB_COLOR(oleft, field) = RB_BLACK;\
     RB_COLOR(tmp, field) = RB_RED; \
     RB_ROTATE_RIGHT(head, tmp, oleft, field);\
     tmp = RB_RIGHT(parent, field); \
    }     \
    RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
    RB_COLOR(parent, field) = RB_BLACK; \
    if (RB_RIGHT(tmp, field))  \
```

```
    RB_COLOR(RB_RIGHT(tmp, field), field) = RB_BLACK;\
   RB_ROTATE_LEFT(head, parent, tmp, field);\
   elm = RB_ROOT(head);   \
   break;     \
  }      \
 } else {      \
  tmp = RB_LEFT(parent, field);   \
  if (RB_COLOR(tmp, field) == RB_RED) {  \
   RB_SET_BLACKRED(tmp, parent, field); \
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   tmp
= RB_LEFT(parent, field);  \
  }      \
  if ((RB_LEFT(tmp, field) == NULL ||  \
      RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) &&\
      (RB_RIGHT(tmp, field) == NULL ||  \
      RB_COLOR(RB_RIGHT(tmp, field), field) == RB_BLACK)) {\
   RB_COLOR(tmp, field) = RB_RED;  \
   elm = parent;    \
   parent = RB_PARENT(elm, field);  \
  } else {     \
   if (RB_LEFT(tmp, field) == NULL || \
       RB_COLOR(RB_LEFT(tmp, field), field) == RB_BLACK) {\
    struct type *oright;  \
    if ((oright = RB_RIGHT(tmp, field)) \
        != NULL)   \
     RB_COLOR(oright, field) = RB_BLACK;\
    RB_COLOR(tmp, field) = RB_RED; \
    RB_ROTATE_LEFT(head, tmp, oright, field);\
    tmp = RB_LEFT(parent, field); \
   }     \
   RB_COLOR(tmp, field) = RB_COLOR(parent, field);\
   RB_COLOR(parent, field) = RB_BLACK; \
   if (RB_LEFT(tmp, field))  \
    RB_COLOR(RB_LEFT(tmp, field), field) = RB_BLACK;\
   RB_ROTATE_RIGHT(head, parent, tmp, field);\
   elm = RB_ROOT(head);   \
   break;     \
  }      \
 }       \
}       \
if
(elm)      \
 RB_COLOR(elm, field) = RB_BLACK;   \
}       \
       \
attr struct type *      \
name##_RB_REMOVE(struct name *head, struct type *elm)   \
```

```
{       \
 struct type *child, *parent, *old = elm;   \
 int color;      \
 if (RB_LEFT(elm, field) == NULL)    \
  child = RB_RIGHT(elm, field);    \
 else if (RB_RIGHT(elm, field) == NULL)    \
  child = RB_LEFT(elm, field);    \
 else {       \
  struct type *left;     \
  elm = RB_RIGHT(elm, field);    \
  while ((left = RB_LEFT(elm, field)) != NULL)  \
   elm = left;     \
  child = RB_RIGHT(elm, field);    \
  parent = RB_PARENT(elm, field);    \
  color = RB_COLOR(elm, field);    \
  if (child)      \
   RB_PARENT(child, field) = parent;  \
  if (parent) {      \
   if (RB_LEFT(parent, field) == elm)  \
    RB_LEFT(parent, field) = child;  \
   else      \
    RB_RIGHT(parent, field) = child; \
   RB_AUGMENT(parent);    \
  } else       \
   RB_ROOT(head)
 = child;    \
  if (RB_PARENT(elm, field) == old)   \
   parent = elm;     \
  (elm)->field = (old)->field;    \
  if (RB_PARENT(old, field)) {    \
   if (RB_LEFT(RB_PARENT(old, field), field) == old)\
    RB_LEFT(RB_PARENT(old, field), field) = elm;\
   else      \
    RB_RIGHT(RB_PARENT(old, field), field) = elm;\
   RB_AUGMENT(RB_PARENT(old, field));  \
  } else       \
   RB_ROOT(head) = elm;    \
  RB_PARENT(RB_LEFT(old, field), field) = elm;  \
  if (RB_RIGHT(old, field))    \
   RB_PARENT(RB_RIGHT(old, field), field) = elm; \
  if (parent) {      \
   left = parent;     \
   do {      \
    RB_AUGMENT(left);   \
   } while ((left = RB_PARENT(left, field)) != NULL); \
  }       \
  goto color;      \
 }       \
```

```
 parent = RB_PARENT(elm, field);     \
 color = RB_COLOR(elm, field);     \
 if (child)       \
  RB_PARENT(child, field) = parent;   \
 if (parent) {       \
  if (RB_LEFT(parent, field) == elm)   \
   RB_LEFT(parent, field) = child;   \
  else       \
   RB_RIGHT(parent,
 field) = child;  \
  RB_AUGMENT(parent);     \
 } else       \
  RB_ROOT(head) = child;     \
color:        \
 if (color == RB_BLACK)      \
  name##_RB_REMOVE_COLOR(head, parent, child);  \
 return (old);       \
}        \
       \
/* Inserts a node into the RB tree */     \
attr struct type *       \
name##_RB_INSERT(struct name *head, struct type *elm)   \
{        \
 struct type *tmp;      \
 struct type *parent = NULL;     \
 int comp = 0;       \
 tmp = RB_ROOT(head);      \
 while (tmp) {       \
  parent = tmp;      \
  comp = (cmp)(elm, parent);    \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }       \
 RB_SET(elm, parent, field);     \
 if (parent != NULL) {      \
  if (comp < 0)      \
   RB_LEFT(parent, field) = elm;   \
  else       \
   RB_RIGHT(parent, field) = elm;   \
  RB_AUGMENT(parent);     \
 } else       \
  RB_ROOT(head) = elm;     \
 name##_RB_INSERT_COLOR(head,
```

```
 elm);    \
 return (NULL);       \
}         \
         \
/* Finds the node with the same key as elm */    \
attr struct type *       \
name##_RB_FIND(struct name *head, struct type *elm)   \
{         \
 struct type *tmp = RB_ROOT(head);    \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0)      \
   tmp = RB_LEFT(tmp, field);   \
  else if (comp > 0)     \
   tmp = RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }        \
 return (NULL);       \
}         \
         \
/* Finds the first node greater than or equal to the search key */ \
attr struct type *       \
name##_RB_NFIND(struct name *head, struct type *elm)   \
{         \
 struct type *tmp = RB_ROOT(head);    \
 struct type *res = NULL;     \
 int comp;       \
 while (tmp) {       \
  comp = cmp(elm, tmp);     \
  if (comp < 0) {      \
   res = tmp;     \
   tmp = RB_LEFT(tmp, field);   \
  }       \
  else if (comp > 0)     \
   tmp =
 RB_RIGHT(tmp, field);   \
  else       \
   return (tmp);     \
 }        \
 return (res);       \
}         \
         \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_NEXT(struct type *elm)     \
{         \
```

```
 if (RB_RIGHT(elm, field)) {     \
  elm = RB_RIGHT(elm, field);    \
  while (RB_LEFT(elm, field))    \
   elm = RB_LEFT(elm, field);    \
 } else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_LEFT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_RIGHT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
/* ARGSUSED */       \
attr struct type *       \
name##_RB_PREV(struct type *elm)     \
{        \
 if (RB_LEFT(elm, field)) {     \
  elm = RB_LEFT(elm, field);    \
  while (RB_RIGHT(elm, field))    \
   elm = RB_RIGHT(elm, field);   \
 }
 else {       \
  if (RB_PARENT(elm, field) &&    \
      (elm == RB_RIGHT(RB_PARENT(elm, field), field))) \
   elm = RB_PARENT(elm, field);   \
  else {       \
   while (RB_PARENT(elm, field) &&   \
       (elm == RB_LEFT(RB_PARENT(elm, field), field)))\
    elm = RB_PARENT(elm, field);  \
   elm = RB_PARENT(elm, field);   \
  }       \
 }       \
 return (elm);       \
}        \
        \
attr struct type *       \
name##_RB_MINMAX(struct name *head, int val)    \
{        \
 struct type *tmp = RB_ROOT(head);    \
 struct type *parent = NULL;     \
 while (tmp) {       \
  parent = tmp;      \
```

```
 if (val < 0)      \
  tmp = RB_LEFT(tmp, field);   \
 else       \
  tmp = RB_RIGHT(tmp, field);   \
 }       \
 return (parent);      \
}

#define RB_NEGINF -1
#define RB_INF 1

#define RB_INSERT(name, x, y) name##_RB_INSERT(x, y)
#define RB_REMOVE(name, x, y) name##_RB_REMOVE(x, y)
#define RB_FIND(name, x, y) name##_RB_FIND(x, y)
#define RB_NFIND(name, x, y) name##_RB_NFIND(x,
 y)
#define RB_NEXT(name, x, y) name##_RB_NEXT(y)
#define RB_PREV(name, x, y) name##_RB_PREV(y)
#define RB_MIN(name, x)  name##_RB_MINMAX(x, RB_NEGINF)
#define RB_MAX(name, x)  name##_RB_MINMAX(x, RB_INF)

#define RB_FOREACH(x, name, head)     \
 for ((x) = RB_MIN(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_NEXT(x))

#define RB_FOREACH_FROM(x, name, y)     \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_SAFE(x, name, head, y)    \
 for ((x) = RB_MIN(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_NEXT(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_REVERSE(x, name, head)    \
 for ((x) = RB_MAX(name, head);     \
      (x) != NULL;      \
      (x) = name##_RB_PREV(x))

#define RB_FOREACH_REVERSE_FROM(x, name, y)    \
 for ((x) = (y);       \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#define RB_FOREACH_REVERSE_SAFE(x, name,
```

```
 head, y)   \
 for ((x) = RB_MAX(name, head);     \
     ((x) != NULL) && ((y) = name##_RB_PREV(x), (x) != NULL); \
      (x) = (y))

#endif /* _SYS_TREE_H_ */
```

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1.652 aws-java-sdk-dynamodb 1.12.783

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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/AbstractEnumMarshaller.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/StringSetUnmarshaller.java
*
 /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ListUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/CalendarSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBDocument.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/ByteArraySetToBinarySetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteBufferSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/MapUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/DateSetToStringSetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/LUnmarshaller.java
*
 /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/ConversionSchema.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/BigIntegerSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/UUIDSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/LongUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/CalendarSetToStringSetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/BooleanSetToNumberSetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/DateUnmarshaller.java
*
 /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/ItemConverter.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/UUIDSetToStringSetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-

jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/BooleanToNumberMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/FloatUnmarshaller.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-
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* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteBufferUnmarshaller.java
*
/aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBNativeBoolean.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/CalendarUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ObjectSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/ByteArrayToBinaryMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/ObjectSetToStringSetMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/S3LinkUnmarshaller.java
*
/aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/CustomMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
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jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ShortSetUnmarshaller.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/ConversionSchemas.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/DateSetUnmarshaller.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/DoubleUnmarshaller.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteArrayUnmarshaller.java

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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/IntegerUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/BigDecimalSetUnmarshaller.java
*
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/CustomUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/StringUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/LongSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/UUIDUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/BooleanUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/MUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/CalendarToStringMarshaller.java
*
/aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ByteArraySetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/ArgumentMarshaller.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/StringToStringMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ObjectUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/IntegerSetUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/CollectionToListMarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/ShortUnmarshaller.java
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jar/com/amazonaws/services/dynamodbv2/datamodeling/unmarshallers/BigDecimalUnmarshaller.java
* /aws-java-sdk-dynamodb-1-12-783-sources-
jar/com/amazonaws/services/dynamodbv2/datamodeling/marshallers/ByteBufferSetToBinarySetMarshaller.java
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jar/com/amazonaws/services/dynamodbv2/xspec/BetweenCondition.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/model/transform/TagResourceRequestMarshaller.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/model/ContinuousBackupsStatus.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/model/transform/ItemCollectionMetricsJsonUnmarshaller.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/QueryPage.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/Page.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/Item.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/UpdateItemOutcome.java

* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/InternalUtils.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/utils/FluentArrayList.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/api/BatchGetItemApi.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ListTablesCollection.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/api/GetItemApi.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/PutItemSpec.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/BatchWriteItemOutcome.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/ItemCollection.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/TableKeysAndAttributes.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ScanCollection.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/BatchGetItemImpl.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/Filter.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/AbstractSpecWithPrimaryKey.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/api/ListTablesApi.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/PrimaryKey.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-
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* /aws-java-sdk-dynamodb-1-12-783-sources-
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* /aws-java-sdk-dynamodb-1-12-783-sources-
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* /aws-java-sdk-dynamodb-1-12-783-sources-
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/aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ScanPage.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/ListTablesSpec.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/PutItemImpl.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/utils/NameMap.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/LowLevelResultListener.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/ScanImpl.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/spec/DeleteItemSpec.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/DeleteItemOutcome.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/api/UpdateItemApi.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/AttributeUpdate.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/PageIterable.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/utils/ValueMap.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/internal/DeleteItemImpl.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/document/utils/ValueList.java
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Found in path(s):
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/TransactionWriteRequest.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/UpdateExpressionGenerator.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/TransactionLoadRequest.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/BatchLoadContext.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBTransactionWriteExpression.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/VersionAttributeConditionExpressionGenerator.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/DynamoDBTransactionLoadExpression.java
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* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/AttributeTransformerChain.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/ScanResultPage.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/AttributeTransformer.java
* /aws-java-sdk-dynamodb-1-12-783-sources-jar/com/amazonaws/services/dynamodbv2/datamodeling/QueryResultPage.java

1.653 aws-java-sdk-sts 1.12.783

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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/SessionCredentialsProviderFactory.java

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Found in path(s):
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/RegionDisabledException.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/transform/AssumeRoleRequestMarshaller.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/AbstractAWSSecurityTokenService.java
*
 /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/GetCallerIdentityRequest.java

* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/ProvidedContext.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/policy/actions/SecurityTokenServiceActions.java
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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/AssumeRoleRequest.java
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* /aws-java-sdk-sts-1-12-783-sources-1-
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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/transform/GetAccessKeyInfoRequestMarshaller.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/transform/GetSessionTokenRequestMarshaller.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/transform/CredentialsStaxUnmarshaller.java
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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/GetSessionTokenResult.java
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* /aws-java-sdk-sts-1-12-783-sources-1-
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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/model/Credentials.java
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* /aws-java-sdk-sts-1-12-783-sources-1-
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* /aws-java-sdk-sts-1-12-783-sources-1-
jar/com/amazonaws/services/securitytoken/model/transform/GetCallerIdentityRequestMarshaller.java
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```
*/
/**
   * <p>
   * Returns a set of temporary security credentials (consisting of an access key ID, a secret access key, and a
   * security token) for a user. A typical use is in a proxy application that gets temporary security credentials on
   * behalf of distributed applications inside a corporate network.
   * </p>
   * <p>
   *
 You must call the <code>GetFederationToken</code> operation using the long-term security credentials of an IAM
   * user. As a result, this call is appropriate in contexts where those credentials can be safeguarded, usually in a
   * server-based application. For a comparison of <code>GetFederationToken</code> with the other API
operations that
   * produce temporary credentials, see <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html">Requesting
Temporary
   * Security Credentials</a> and <a
   *
href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#stsapi_comparison"
   * >Comparing the Amazon Web Services STS API operations</a> in the <i>IAM User Guide</i>.
   * </p>
   * <p>
   * Although it is possible to call <code>GetFederationToken</code> using the security credentials of an Amazon
Web
   * Services account root user rather than an IAM user that you create for the purpose of a proxy
 application, we do
   * not recommend it. For more information, see <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#lock-away-
credentials">Safeguard your
   * root user credentials and don't use them for everyday tasks</a> in the <i>IAM User Guide</i>.
   * </p>
   * <note>
   * <p>
   * You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
like
   * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
   * recommend that you use <a href="http://aws.amazon.com/cognito/">Amazon Cognito</a> or
   * <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=
   *
"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebide
ntity"
   * >Federation Through a Web-based Identity Provider</a> in the <i>IAM User Guide</i>.
   * </p>
   * </note>
   * <p>
   *
 <b>Session duration</b>
   * </p>
```

```
   * <p>
   * The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum
of
   * 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials
   * obtained by using the root user credentials have a maximum duration of 3,600 seconds (1 hour).
   * </p>
   * <p>
   * <b>Permissions</b>
   * </p>
   * <p>
   * You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web
Services
   * service with the following exceptions:
   * </p>
   * <ul>
   * <li>
   * <p>
   * You cannot call any IAM operations using the CLI or the Amazon Web Services API. This limitation does not
apply
   * to console sessions.
   * </p>
   * </li>
   * <li>
   * <p>
   * You cannot call any STS operations except <code>GetCallerIdentity</code>.
   * </p>
   * </li>
   * </ul>
   * <p>
   * You
 can use temporary credentials for single sign-on (SSO) to the console.
   * </p>
   * <p>
   * You must pass an inline or managed <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session
policy</a>
   * to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also
   * specify up to 10 managed policy Amazon Resource Names (ARNs) to use as managed session policies. The
plaintext
   * that you use for both inline and managed session policies can't exceed 2,048 characters.
   * </p>
   * <p>
   * Though the session policy parameters are optional, if you do not pass a policy, then the resulting federated user
   * session has no permissions. When you pass session policies, the session permissions are the intersection of the
   * IAM user policies and the session policies that you pass. This gives you a way to further restrict the
   * permissions for a federated
 user. You cannot use session policies to grant more permissions than those that are
   * defined in the permissions policy of the IAM user. For more information, see <a
```

```
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">Session
    * Policies</a> in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code>
to create
    * temporary security credentials, see <a
    *
href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_getfederationtoke
n"
    * >GetFederationToken—Federation Through a Custom Identity Broker</a>.
    * </p>
    * <p>
    * You can use the credentials to access a resource that has a resource-based policy. If that policy specifically
    * references the federated user session in the <code>Principal</code> element of the policy, the session has the
    * permissions allowed by the policy. These permissions are granted in addition to the permissions
 granted by the
    * session policies.
    * </p>
    * <p>
    * <b>Tags</b>
    * </p>
    * <p>
    * (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information
    * about session tags, see <a href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_session-
tags.html">Passing
    * Session Tags in STS</a> in the <i>IAM User Guide</i>.
    * </p>
    * <note>
    * <p>
    * You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
like
    * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
    * recommend that you use <a href="http://aws.amazon.com/cognito/">Amazon Cognito</a> or
    * <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=
    *
"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebide
ntity"
    * >Federation Through
 a Web-based Identity Provider</a> in the <i>IAM User Guide</i>.
    * </p>
    * </note>
    * <p>
    * An administrator must grant you the permissions necessary to pass session tags. The administrator can also
create
    * granular permissions to allow you to pass only specific session tags. For more information, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_attribute-based-access-
control.html">Tutorial:
    * Using Tags for Attribute-Based Access Control</a> in the <i>IAM User Guide</i>.
    * </p>
    * <p>
```

```
    * Tag key–value pairs are not case sensitive, but case is preserved. This means that you cannot have separate
    * <code>Department</code> and <code>department</code> tag keys. Assume that the user that you are
federating has
    * the <code>Department</code>=<code>Marketing</code> tag and you pass the <code>department</code>=
    * <code>engineering</code> session tag. <code>Department</code> and <code>department</code> are not
 saved as
    * separate tags, and the session tag passed in the request takes precedence over the user tag.
    * </p>
    *
    * @param getFederationTokenRequest
    * @return Result of the GetFederationToken operation returned by the service.
    * @throws MalformedPolicyDocumentException
    *         The request was rejected because the policy document was malformed. The error message describes the
    *         specific error.
    * @throws PackedPolicyTooLargeException
    *         The request was rejected because the total packed size of the session policies and session tags combined
    *         was too large. An Amazon Web Services conversion compresses the session policy document, session
policy
    *         ARNs, and session tags into a packed binary format that has a separate limit. The error message indicates
    *         by percentage how close the policies and tags are to the upper size limit. For more information, see <a
    *         href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_session-tags.html">Passing
 Session Tags in
    *         STS</a> in the <i>IAM User Guide</i>.</p>
    *         <p>
    *         You could receive this error even though you meet other defined session policy and session tag limits.
    *         For more information, see <a href=
    *         "https://docs.aws.amazon.com/IAM/latest/UserGuide/reference_iam-quotas.html#reference_iam-limits-
entity-length"
    *         >IAM and STS Entity Character Limits</a> in the <i>IAM User Guide</i>.
    * @throws RegionDisabledException
    *         STS is not activated in the requested region for the account that is being asked to generate credentials.
    *         The account administrator must use the IAM console to activate STS in that region. For more information,
    *         see <a href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_enable-
regions.html">
    *         Activating and Deactivating Amazon Web Services
 STS in an Amazon Web Services Region</a> in the <i>IAM
    *         User Guide</i>.
    * @sample AWSSecurityTokenService.GetFederationToken
    * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/sts-2011-06-15/GetFederationToken"
target="_top">AWS API
    *      Documentation</a>
    */

Found in path(s):
* /aws-java-sdk-sts-1-12-783-sources-1-
jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceClient.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/AWSSecurityTokenService.java
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* /aws-java-sdk-sts-1-12-783-sources-1-
jar/com/amazonaws/auth/WebIdentityFederationSessionCredentialsProvider.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/STSSessionCredentialsProvider.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/STSSessionCredentials.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/NoSessionSupportCredentials.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/STSAssumeRoleSessionCredentialsProvider.java
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Found in path(s):
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/SessionCredentialsHolder.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/DaemonThreadFactory.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/RefreshableTask.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/ShouldDoBlockingSessionRefresh.java
*
 /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/ShouldDoAsyncSessionRefresh.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/internal/StsAuthUtils.java
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* and limitations under the License.
*/
/**
   *
   * Returns a set of temporary security credentials (consisting of an access key ID, a secret access key, and a
   * security token) for a user. A typical use is in a proxy application that gets temporary security credentials on
   * behalf of distributed applications inside a corporate network.
   *
   *
   *
 You must call the <code>GetFederationToken</code> operation using the long-term security credentials of an IAM
   * user. As a result, this call is appropriate in contexts where those credentials can be safeguarded, usually in a
   * server-based application. For a comparison of <code>GetFederationToken</code> with the other API

operations that
   * produce temporary credentials, see <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html">Requesting Temporary
   * Security Credentials and <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#stsapi_comparison"
   * >Comparing the Amazon Web Services STS API operations in the IAM User Guide.
   *
   *
   * Although it is possible to call <code>GetFederationToken</code> using the security credentials of an Amazon Web
   * Services account root user rather than an IAM user that you create for the purpose of a proxy application, we do
   * not recommend it. For more information, see <a
   * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#lock-away-credentials">Safeguard your
   * root user credentials and don't use them for everyday tasks in the IAM User Guide.
   *
   * <note>
   *
   * You can create a mobile-based or browser-based app that can authenticate users using a web identity provider like
   * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
   * recommend that you use Amazon Cognito or
   * <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=
   * "https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebidentity"
   * >Federation Through a Web-based Identity Provider in the IAM User Guide.
   *
   * </note>
   *
   * Session duration
   *
   *
   * The temporary credentials are valid for the specified duration, from 900 seconds (15 minutes) up to a maximum of
   * 129,600 seconds (36 hours). The default session duration is 43,200 seconds (12 hours). Temporary credentials
   * obtained by using the root user credentials have a maximum duration of 3,600 seconds (1 hour).
   *
   *
   * Permissions
   *
   *
   * You can use the temporary credentials created by <code>GetFederationToken</code> in any Amazon Web Services

```
    * service with the following exceptions:
    * </p>
    * <ul>
    * <li>
    * <p>
    * You cannot call any IAM operations using the CLI or the Amazon Web Services API. This limitation does not apply
    * to console sessions.
    * </p>
    * </li>
    * <li>
    * <p>
    * You cannot call any STS operations except <code>GetCallerIdentity</code>.
    * </p>
    * </li>
    * </ul>
    * <p>
    * You
 can use temporary credentials for single sign-on (SSO) to the console.
    * </p>
    * <p>
    * You must pass an inline or managed <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session policy</a>
    * to this operation. You can pass a single JSON policy document to use as an inline session policy. You can also
    * specify up to 10 managed policy Amazon Resource Names (ARNs) to use as managed session policies. The plaintext
    * that you use for both inline and managed session policies can't exceed 2,048 characters.
    * </p>
    * <p>
    * Though the session policy parameters are optional, if you do not pass a policy, then the resulting federated user
    * session has no permissions. When you pass session policies, the session permissions are the intersection of the
    * IAM user policies and the session policies that you pass. This gives you a way to further restrict the
    * permissions for a federated
 user. You cannot use session policies to grant more permissions than those that are
    * defined in the permissions policy of the IAM user. For more information, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">Session
    * Policies</a> in the <i>IAM User Guide</i>. For information about using <code>GetFederationToken</code> to create
    * temporary security credentials, see <a
    *
href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_getfederationtoken"
    * >GetFederationToken—Federation Through a Custom Identity Broker</a>.
    * </p>
    * <p>
    * You can use the credentials to access a resource that has a resource-based policy. If that policy specifically
    * references the federated user session in the <code>Principal</code> element of the policy, the session has the
```

```
    * permissions allowed by the policy. These permissions are granted in addition to the permissions
 granted by the
    * session policies.
    * </p>
    * <p>
    * <b>Tags</b>
    * </p>
    * <p>
    * (Optional) You can pass tag key-value pairs to your session. These are called session tags. For more information
    * about session tags, see <a href="https://docs.aws.amazon.com/IAM/latest/UserGuide/id_session-
tags.html">Passing
    * Session Tags in STS</a> in the <i>IAM User Guide</i>.
    * </p>
    * <note>
    * <p>
    * You can create a mobile-based or browser-based app that can authenticate users using a web identity provider
like
    * Login with Amazon, Facebook, Google, or an OpenID Connect-compatible identity provider. In this case, we
    * recommend that you use <a href="http://aws.amazon.com/cognito/">Amazon Cognito</a> or
    * <code>AssumeRoleWithWebIdentity</code>. For more information, see <a href=
    *
"https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp_request.html#api_assumerolewithwebide
ntity"
    * >Federation Through
 a Web-based Identity Provider</a> in the <i>IAM User Guide</i>.
    * </p>
    * </note>
    * <p>
    * An administrator must grant you the permissions necessary to pass session tags. The administrator can also
create
    * granular permissions to allow you to pass only specific session tags. For more information, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_attribute-based-access-
control.html">Tutorial:
    * Using Tags for Attribute-Based Access Control</a> in the <i>IAM User Guide</i>.
    * </p>
    * <p>
    * Tag key–value pairs are not case sensitive, but case is preserved. This means that you cannot have separate
    * <code>Department</code> and <code>department</code> tag keys. Assume that the user that you are
federating has
    * the <code>Department</code>=<code>Marketing</code> tag and you pass the <code>department</code>=
    * <code>engineering</code> session tag. <code>Department</code> and <code>department</code> are not
 saved as
    * separate tags, and the session tag passed in the request takes precedence over the user tag.
    * </p>
    *
    * @param getFederationTokenRequest
    * @return A Java Future containing the result of the GetFederationToken operation returned by the service.
    * @sample AWSSecurityTokenServiceAsync.GetFederationToken
```

```
   * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/sts-2011-06-15/GetFederationToken"
target="_top">AWS API
   *      Documentation</a>
   */
```

Found in path(s):
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/AWSSecurityTokenServiceAsync.java
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* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/auth/STSAssumeRoleWithWebIdentitySessionCredentialsProvider.java
* /aws-java-sdk-sts-1-12-783-sources-1-jar/com/amazonaws/services/securitytoken/RegionalEndpointsOptionResolver.java
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*/
/**
```

```
    * <p>
    * An IAM policy in JSON format that you want to use as an inline session policy.
    * </p>
    * <p>
    * You must pass an inline or managed <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">session
policy</a>
    * to this operation. You can pass a single JSON policy
 document to use as an inline session policy. You can also
    * specify up to 10 managed policy Amazon Resource Names (ARNs) to use as managed session policies.
    * </p>
    * <p>
    * This parameter is optional. However, if you do not pass any session policies, then the resulting federated user
    * session has no permissions.
    * </p>
    * <p>
    * When you pass session policies, the session permissions are the intersection of the IAM user policies and the
    * session policies that you pass. This gives you a way to further restrict the permissions for a federated user.
    * You cannot use session policies to grant more permissions than those that are defined in the permissions policy
    * of the IAM user. For more information, see <a
    * href="https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html#policies_session">Session
    * Policies</a> in the <i>IAM User Guide</i>.
    * </p>
    * <p>
    * The resulting credentials can be used to access
 a resource that has a resource-based policy. If that policy
    * specifically references the federated user session in the <code>Principal</code> element of the policy, the
    * session has the permissions allowed by the policy. These permissions are granted in addition to the permissions
    * that are granted by the session policies.
    * </p>
    * <p>
    * The plaintext that you use for both inline and managed session policies can't exceed 2,048 characters. The JSON
    * policy characters can be any ASCII character from the space character to the end of the valid character list (
    * through \u00FF). It can also include the tab ( ), linefeed ( ), and carriage return ( ) characters.
    * </p>
    * <note>
    * <p>
    * An Amazon Web Services conversion compresses the passed inline session policy, managed policy ARNs, and
session
    * tags into a packed binary format that has a separate limit. Your request can fail for this limit even if your
    * plaintext
 meets the other requirements. The <code>PackedPolicySize</code> response element indicates by
    * percentage how close the policies and tags for your request are to the upper size limit.
    * </p>
    * </note>
    */
```

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1.654 secretsmanager 2.25.64

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1.656 schema-registry-serde 1.1.24

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<<<<<<< HEAD
*
* This will be removed once Apicurio releases the latest version with the json_name fix
* https://github.com/Apicurio/apicurio-registry/blob/master/utils/protobuf-schema-utilities/src/main/java/io/apicurio/registry/utils/protobuf/schema/ProtobufFile.java
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.664 schema-registry-common 1.1.24

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* /schema-registry-common-1-1-24-sources-
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* /schema-registry-common-1-1-24-sources-jar/com/amazonaws/services/schemaregistry/common/Schema.java
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* /schema-registry-common-1-1-24-sources-
jar/com/amazonaws/services/schemaregistry/exception/AWSSchemaRegistryException.java
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1.665 distlib 0.4.0

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1.666 openssl 3.0.17

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1.667 sqlite 3.49.2-r1

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~~~

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1.668 spring-expression 6.2.9

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Found in path(s):
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/standard/Token.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/IntLiteral.java
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*
/spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/SpelCompilerMode.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/TargetedAccessor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpLT.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/ReflectiveIndexAccessor.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpMultiply.java
*
/spring-expression-6-2-9-sources-jar/org/springframework/expression/ParseException.java
* /spring-expression-6-2-9-sources-
jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpInc.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/MethodExecutor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/ExpressionInvocationTargetException.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/common/LiteralExpression.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ExpressionState.java
* /spring-expression-6-2-9-sources-
jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/FormatHelper.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/InternalParseException.java
*
/spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/CompilableIndexAccessor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/ExpressionException.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/ConstructorResolver.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/Identifier.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/LongLiteral.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/FloatLiteral.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/CompoundExpression.java
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*
/spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/SpelMessage.java
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* /spring-expression-6-2-9-sources-
jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/Indexer.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpEQ.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpMinus.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/SpelParseException.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/TypeLocator.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/Operator.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
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/spring-expression-6-2-9-sources-jar/org/springframework/expression/MethodResolver.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/Literal.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/VariableReference.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/TypeConverter.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/common/TemplateParserContext.java
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/spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/standard/SpelCompiler.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/OpGT.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/NullLiteral.java
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* /spring-expression-6-2-9-sources-
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/TypedValue.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/ConstructorExecutor.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/ValueRef.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/FunctionReference.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/TypeReference.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/common/ExpressionUtils.java
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jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/common/CompositeStringExpression.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/Operation.java
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/CompiledExpression.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/RealLiteral.java
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/spring-expression-6-2-9-sources-
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* /spring-expression-6-2-9-sources-jar/org/springframework/expression/MethodFilter.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/standard/SpelExpression.java
* /spring-expression-6-2-9-sources-
jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/SpelEvaluationException.java
* /spring-expression-6-2-9-sources-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/AbstractClassGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/CollectionUtils.java
*
 /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/AddStaticInitTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/MethodDelegate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/MulticastDelegate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/DebuggingClassWriter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassFilterTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/MethodProxy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/TypeUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/CallbackGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ReflectUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/BeanCopier.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/NoOpGenerator.java

*
 /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/DefaultNamingPolicy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/BulkBeanEmitter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/FastClass.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/FastClassEmitter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/MethodInterceptorGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/ImmutableBean.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/FixedValueGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/LazyLoaderGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/AbstractClassLoader.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/DispatcherGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/CallbackFilter.java
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 /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/FastMethod.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/VisibilityPredicate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassTransformerChain.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/BeanMapEmitter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/Proxy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/EmitUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/MixinEmitter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/KeyFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/MethodWrapper.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/Mixin.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/MixinEverythingEmitter.java
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/spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/CallbackHelper.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassInfo.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/CallbackInfo.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/AbstractClassFilterTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/MethodInfo.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/InterfaceMaker.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/MethodInfoTransformer.java
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* /spring-core-6-2-9-sources-
jar/org/springframework/objenesis/instantiator/android/AndroidSerializationInstantiator.java
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/spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/sun/UnsafeFactoryInstantiator.java
* /spring-core-6-2-9-sources-
jar/org/springframework/objenesis/instantiator/basic/DelegatingToExoticInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/ObjenesisHelper.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/annotations/Typology.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/SerializationInstantiatorHelper.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/FailingInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/NullInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/ObjenesisSerializer.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/strategy/PlatformDescription.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/android/Android10Instantiator.java
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/spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/annotations/Instantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/util/UnsafeUtils.java
* /spring-core-6-2-9-sources-
jar/org/springframework/objenesis/instantiator/basic/ObjectStreamClassInstantiator.java

* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/ObjenesisBase.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/ObjenesisException.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/strategy/InstantiatorStrategy.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/strategy/SingleInstantiatorStrategy.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/android/Android18Instantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/strategy/StdInstantiatorStrategy.java
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* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/util/ClassUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/NewInstanceInstantiator.java
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* /spring-core-6-2-9-sources-
jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/android/Android17Instantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/ProxyingInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/gcj/GCJSerializationInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/perc/PercSerializationInstantiator.java
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* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/Objenesis.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/ConstructorInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/ObjectInstantiator.java
* /spring-core-6-2-9-sources-
jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactorySerializationInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/sun/MagicInstantiator.java
* /spring-core-6-2-9-sources-jar/org/springframework/objenesis/instantiator/basic/AccessibleInstantiator.java
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* /spring-core-6-2-9-sources-jar/org/springframework/asm/ClassVisitor.java
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 /spring-core-6-2-9-sources-jar/org/springframework/asm/Opcodes.java
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* /spring-core-6-2-9-sources-jar/org/springframework/asm/SymbolTable.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/Edge.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/Label.java
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* /spring-core-6-2-9-sources-jar/org/springframework/asm/FieldVisitor.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/CurrentFrame.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/MethodWriter.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/Handler.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/ClassTooLargeException.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/ConstantDynamic.java

* /spring-core-6-2-9-sources-jar/org/springframework/asm/MethodTooLargeException.java
* /spring-core-6-2-9-sources-jar/org/springframework/asm/RecordComponentVisitor.java
*
/spring-core-6-2-9-sources-jar/org/springframework/asm/Attribute.java
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* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/CodeWriter.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/Util.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/JavaFile.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/ParameterizedTypeName.java
*
 /spring-core-6-2-9-sources-jar/org/springframework/javapoet/TypeSpec.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/TypeVariableName.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/MethodSpec.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/TypeName.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/FieldSpec.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/WildcardTypeName.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/ParameterSpec.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/CodeBlock.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/ArrayTypeName.java
* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/AnnotationSpec.java

* /spring-core-6-2-9-sources-jar/org/springframework/javapoet/NameAllocator.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/TransformingClassGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/AddPropertyTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/AccessFieldTransformer.java
*
 /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/AddDelegateTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/Dispatcher.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldCallback.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Signature.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/NoOp.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Converter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/FastMember.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/BulkBeanException.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Customizer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/CodeGenerationException.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassNameReader.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/DefaultGeneratorStrategy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassVisitorTee.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassTransformerFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/ConstructorDelegate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassTransformerTee.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Block.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/MethodVisitorTee.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/FixedKeySet.java

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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/DuplicatesPredicate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/reflect/FastConstructor.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassFilter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/MethodFilterTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/TransformingClassLoader.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/InvocationHandler.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ProcessArrayCallback.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/FixedValue.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/MixinBeanEmitter.java
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 /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Constants.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/GeneratorStrategy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/proxy/ProxyRefDispatcher.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/ClassReaderGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/TinyBitSet.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/FieldVisitorTee.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldFilter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassTransformer.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/util/ParallelSorter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ObjectSwitchCallback.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/NamingPolicy.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/InterceptFieldEnabled.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/util/SorterTemplate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/UndeclaredThrowableStrategy.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/beans/BeanGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ProcessSwitchCallback.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassEmitter.java
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 /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Local.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/Predicate.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/ClassesKey.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/util/ParallelSorterEmitter.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/util/StringSwitcher.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/transform/impl/FieldProviderTransformer.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/WritableResource.java
* /spring-core-6-2-9-sources-jar/org/springframework/lang/Contract.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/support/ResourcePatternUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/ClassPathResource.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/DataBufferEncoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/AnnotatedMethod.java

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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/FileSystemResourceLoader.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/AbstractEnvironment.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/ResourceLoader.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/GenericConversionService.java
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 /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/RuntimeHints.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/CharSequenceEncoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/PooledDataBuffer.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/DataBufferFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/NativeDetector.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/classreading/SimpleAnnotationMetadata.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/task/support/CompositeTaskDecorator.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/TypeDescriptor.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/backoff/BackOffExecution.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/PlaceholderParser.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/converter/Converter.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/UrlResource.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/AnnotationsScanner.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/MultiValueMapAdapter.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/nativex/ReflectionHintsWriter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/EncodingException.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/nativex/BasicJsonWriter.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/PatternMatchUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/comparator/NullSafeComparator.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/xml/StaxSource.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/NettyByteBufDecoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/ResourceHintsExtensions.kt
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* /spring-core-6-2-9-sources-jar/org/springframework/util/function/ThrowingBiFunction.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/xml/TransformerUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/Decoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/StringToCollectionConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/StandardAnnotationMetadata.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/CompositeIterator.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/ArrayToStringConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/support/PropertySourceDescriptor.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/MergedAnnotations.java
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 /spring-core-6-2-9-sources-jar/org/springframework/asm/SpringAsmInfo.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/unit/DataSize.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/ConversionFailedException.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/JettyDataBuffer.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/annotation/RegisterReflectionForBinding.java

* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/ConversionException.java
* /spring-core-6-2-9-sources-jar/org/springframework/lang/NonNullApi.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/log/LogFormatUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/ByteBufferConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/ReactiveAdapter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/AbstractMergedAnnotation.java
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/spring-core-6-2-9-sources-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/NestedCheckedException.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/PropertyResolverExtensions.kt
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/ByteBufferEncoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/ConditionalHint.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/classreading/MetadataReaderFactory.java
* /spring-core-6-2-9-sources-
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* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/AttributeAccessor.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/StringToBooleanConverter.java
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/spring-core-6-2-9-sources-jar/org/springframework/core/annotation/OrderUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/JOptCommandLinePropertySource.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/RouteMatcher.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/EnvironmentCapable.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/PriorityOrdered.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/serializer/DefaultDeserializer.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/ResourceUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/ConversionService.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/SimpleIdGenerator.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/DataBufferOutputStream.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/concurrent/ListenableFutureCallbackRegistry.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/xml/XmlValidationModeDetector.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/generate/GeneratedClasses.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/FileSystemUtils.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/FilteredSet.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/StandardClassMetadata.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/IdToEntityConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/cglib/SpringCglibInfo.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/TypeMappedAnnotation.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/task/AsyncListenableTaskExecutor.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/support/PathMatchingResourcePatternResolver.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/DefaultDataBuffer.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/concurrent/FailureCallback.java

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* /spring-core-6-2-9-sources-jar/org/springframework/util/concurrent/MonoToListenableFutureAdapter.java
* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/BindingReflectionHintsRegistrar.java
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* /spring-core-6-2-9-sources-jar/org/springframework/util/UnmodifiableMultiValueMap.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/env/EnumerablePropertySource.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/ExceptionTypeFilter.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/annotation/ReflectiveRuntimeHintsRegistrar.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/ClassMetadata.java
* /spring-core-6-2-9-sources-jar/org/springframework/lang/CheckReturnValue.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/AbstractPropertyResolver.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/style/SimpleValueStyler.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/xml/StaxEventXMLReader.java
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* /spring-core-6-2-9-sources-jar/org/springframework/util/backoff/ExponentialBackOff.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/predicate/ProxyHintsPredicates.java
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* /spring-core-6-2-9-sources-jar/org/springframework/util/PropertyPlaceholderHelper.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/AttributeMethods.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/support/SpringFactoriesLoaderRuntimeHints.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/DefaultResourceLoader.java
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* /spring-core-6-2-9-sources-jar/org/springframework/util/function/ThrowingSupplier.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/ReflectionHints.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/io/DescriptiveResource.java
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* /spring-core-6-2-9-sources-jar/org/springframework/util/ResizableByteArrayOutputStream.java
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* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/ResourceDecoder.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/style/DefaultValueStyler.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/SimpleCommandLineArgsParser.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/buffer/NettyDataBuffer.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/task/support/ExecutorServiceAdapter.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/StopWatch.java
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* /spring-core-6-2-9-sources-jar/org/springframework/cglib/core/SpringNamingPolicy.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/env/CommandLinePropertySource.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/log/LogDelegateFactory.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/log/LogMessage.java
* /spring-core-6-2-9-sources-jar/org/springframework/util/comparator/InstanceComparator.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/ReactiveAdapterRegistry.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/support/PropertySourceProcessor.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/ValueExtractor.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/annotation/MergedAnnotationsCollection.java
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 /spring-core-6-2-9-sources-jar/org/springframework/aot/generate/MethodReference.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/SmartClassLoader.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/StandardMethodMetadata.java
* /spring-core-6-2-9-sources-
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/ResourceBundleHint.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/classreading/MetadataReader.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/type/AnnotatedTypeMetadata.java
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* /spring-core-6-2-9-sources-jar/org/springframework/aot/hint/support/SpringPropertiesRuntimeHints.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/codec/AbstractDataBufferDecoder.java
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 /spring-core-6-2-9-sources-jar/org/springframework/core/convert/support/CollectionToObjectConverter.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/task/VirtualThreadDelegate.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/NamedThreadLocal.java
* /spring-core-6-2-9-sources-jar/org/springframework/core/io/VfsResource.java
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1.670 spring-orm 6.2.9

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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/HibernateTransactionManager.java
* /spring-orm-6-2-9-sources-
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryUtils.java
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/EntityManagerFactoryAccessor.java
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/LocalSessionFactoryBean.java
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/persistenceunit/SmartPersistenceUnitInfo.java
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/HibernateSystemException.java
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/persistenceunit/SpringPersistenceUnitInfo.java
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/SpringBeanContainer.java
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/SpringFlushSynchronization.java
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/spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/support/SharedEntityManagerBean.java
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/DefaultJpaDialect.java
* /spring-orm-6-2-9-sources-
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/JpaVendorAdapter.java
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/hibernate5/SpringSessionContext.java
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* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/persistenceunit/PersistenceManagedTypes.java
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*/
/**
  * Create a transactional EntityManager proxy for the given EntityManagerFactory.
  * @param emf the EntityManagerFactory to obtain EntityManagers from as needed
  * @param properties the properties to be passed into the

```
 * {@code createEntityManager} call (may be {@code null})
 * @param entityManagerInterfaces
the interfaces to be implemented by the
 * EntityManager. Allows the addition or specification of proprietary interfaces.
 * @return a shareable transactional EntityManager proxy
 */
```

Found in path(s):
* /spring-orm-6-2-9-sources-jar/org/springframework/orm/jpa/SharedEntityManagerCreator.java

1.671 spring-data-jpa 3.5.2

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1.672 spring-tx 6.2.9

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Found in path(s):
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/reactive/AbstractReactiveTransactionManager.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/TransientDataAccessResourceException.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/jta/TransactionFactory.java
* /spring-tx-6-2-9-sources-jar/org/springframework/jca/endpoint/GenericMessageEndpointManager.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/dao/QueryTimeoutException.java
* /spring-tx-6-2-9-sources-
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/support/WithoutTransactionOperations.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/event/TransactionalApplicationListenerAdapter.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/PermissionDeniedDataAccessException.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/reactive/ReactiveResourceSynchronization.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/support/TransactionCallback.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/dao/CannotSerializeTransactionException.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/jta/JtaTransactionObject.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/TransactionUsageException.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/NoTransactionException.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/support/SmartTransactionObject.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/support/TransactionCallbackWithoutResult.java

* /spring-tx-6-2-9-sources-jar/org/springframework/dao/support/DaoSupport.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/event/TransactionPhase.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/OptimisticLockingFailureException.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/CannotCreateTransactionException.java
* /spring-tx-6-2-9-sources-
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/interceptor/TransactionalProxy.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/SavepointManager.java
* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/config/TxNamespaceHandler.java
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* /spring-tx-6-2-9-sources-jar/org/springframework/transaction/reactive/TransactionCallback.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/support/ChainedPersistenceExceptionTranslator.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/annotation/PersistenceExceptionTranslationAdvisor.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/ConcurrencyFailureException.java
* /spring-tx-6-2-9-sources-jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java
* /spring-tx-6-2-9-sources-
jar/org/springframework/transaction/annotation/TransactionBeanRegistrationAotProcessor.java
* /spring-tx-6-2-9-sources-jar/org/springframework/dao/CleanupFailureDataAccessException.java

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* distributed under the License is distributed on an "AS IS" BASIS,
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*/
/**
* Strategy interface for translating between {@link SQLException SQLExceptions}
* and Spring's data access strategy-agnostic {@link DataAccessException}
* hierarchy.
*
* <p>Implementations can be generic (for example, using
* {@link java.sql.SQLException#getSQLState() SQLState} codes for JDBC)
 or wholly
* proprietary (for example, using Oracle error codes) for greater precision.
*
```

* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

Found in path(s):
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
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/**
* The classes in this package make JDBC easier to use and
* reduce the likelihood of common errors. In particular, they:
*
* Simplify error handling, avoiding the need for try/catch/finally
* blocks in application code.
* Present exceptions to application code in a generic hierarchy of
* unchecked exceptions, enabling applications to catch data access
* exceptions without being dependent on JDBC, and to ignore fatal
* exceptions there is no value in catching.
* Allow the implementation of error handling to be modified
* to target different RDBMSes without introducing proprietary
* dependencies into application code.
*
*
* <p>This package and related packages are discussed in Chapter 9 of
* Expert One-On-One J2EE Design and Development
* by Rod Johnson (Wrox, 2002).
*/

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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/incrementer/MySQLMaxValueIncrementer.java
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 /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/object/UpdatableSqlQuery.java
* /spring-jdbc-6-2-9-sources-
jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/lookup/AbstractRoutingDataSource.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/SimpleConnectionHandle.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/object/SqlCall.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/SqlTypeValue.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/metadata/PostgresTableMetaDataProvider.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/metadata/TableParameterMetaData.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/InterruptibleBatchPreparedStatementSetter.java
* /spring-jdbc-6-2-9-sources-
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/namedparam/SqlParameterSource.java
* /spring-jdbc-6-2-9-sources-
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/lookup/MapDataSourceLookup.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/object/MappingSqlQueryWithParameters.java

* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/lob/PassThroughBlob.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/metadata/CallMetaDataContext.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/ShardingKeyDataSourceAdapter.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/AbstractFallbackSQLExceptionTranslator.java
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabaseFactory.java
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/object/SqlQuery.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/ConnectionCallback.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/KeyHolder.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/support/SqlBinaryValue.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/JdbcAccessor.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/xml/XmlCharacterStreamProvider.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/JdbcTemplate.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/support/incrementer/AbstractIdentityColumnMaxValueIncrementer.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
*
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/ConnectionProxy.java
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/DataClassRowMapper.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
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/spring-jdbc-6-2-9-sources-
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* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
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/spring-jdbc-6-2-9-sources-
jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/support/AbstractSqlTypeValue.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/metadata/GenericTableMetaDataProvider.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/datasource/lookup/IsolationLevelDataSourceRouter.java
* /spring-jdbc-6-2-9-sources-jar/org/springframework/jdbc/core/SqlParameterValue.java
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*/
/**
  * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
  * Will not need to do anything if using PreparedStatement's standard methods,
  * but might be necessary to free database resources if using proprietary means.
  * <p><b>NOTE</b>: Needs to be invoked after the involved
```

PreparedStatements have
 * been executed or the affected O/R mapping sessions have been flushed.
 * Otherwise, the database resources for the temporary BLOBs might stay allocated.
 */

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*/
/**
* Implement this interface when parameters need to be customized based
* on the connection. We might need to do this to make use of proprietary
* features, available only with a specific Connection type.
*
* @author Rod Johnson
* @author Thomas Risberg
* @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
*/
/**
  * Create a Map of input parameters, keyed by name.
  * @param con a JDBC connection. This is useful (and the purpose of this interface)
  * if we need to do something RDBMS-specific with a proprietary Connection
  * implementation class. This class conceals such proprietary details. However,
  * it is best to avoid using such proprietary RDBMS features if possible.
  * @return a Map of input parameters, keyed by name (never {@code null})
  * @throws SQLException if an SQLException is encountered setting
  * parameter values (that is, there's no need to catch SQLException)
  */

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1.674 spring-data-commons 3.5.2

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1.675 spring-context 6.2.9

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* /spring-context-6-2-9-sources-jar/org/springframework/jndi/JndiTemplate.java
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* /spring-context-6-2-9-sources-jar/org/springframework/context/ApplicationListener.java
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* /spring-context-6-2-9-sources-jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java
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* /spring-context-6-2-9-sources-jar/org/springframework/context/index/CandidateComponentsIndexLoader.java
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* /spring-context-6-2-9-sources-jar/org/springframework/validation/method/ParameterValidationResult.java
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**
* Abstract the invocation of a cache operation.
*
* <p>Does not provide a way to transmit checked exceptions but
* provides a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
 *
* @author Stephane Nicoll
* @since 4.1
*/
```

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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**
* Indicates that a component is only eligible for registration when all
* {@linkplain #value specified conditions} match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see {@link Condition} for details).
*
```

```
 * <p>The {@code @Conditional} annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* {@code @Component}, including {@link Configuration @Configuration} classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any {@link Bean @Bean} method</li>
* </ul>
*
* <p>If a {@code @Configuration} class is marked with {@code @Conditional},
* all of the {@code @Bean} methods, {@link Import @Import} annotations, and
* {@link ComponentScan @ComponentScan} annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of {@code @Conditional} annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* {@code @Conditional} itself is not declared as
* {@link java.lang.annotation.Inherited
 @Inherited}; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* {@code @Conditional} must not be declared as {@code @Inherited}.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/
```

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1.676 spring-beans 6.2.9

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*/
/**
  * Process the given {@link ConfigurableListableBeanFactory} instance
  * ahead-of-time and return a contribution or {@code null}.
  * <p>Processors are free to use any techniques they like to analyze the given
  * bean factory. Most typically use reflection to find fields or methods to
  * use in the
 contribution. Contributions typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
  * <p>If the given bean factory does not contain anything that is relevant to
  * the processor, this method should return a {@code null} contribution.
  * @param beanFactory the bean factory to process
  * @return a {@link BeanFactoryInitializationAotContribution} or {@code null}
  */
```

Found in path(s):
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotProcessor.java
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```
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*/
/**
  * Process the given {@link RegisteredBean} instance ahead-of-time and
  * return a contribution or {@code null}.
  * <p>
  * Processors are free to use any techniques they like to analyze the given
  * instance. Most typically use reflection to find fields or methods to use
  * in the contribution.
 Contributions typically generate source code or
  * resource files that can be used when the AOT optimized application runs.
```

```
 * <p>
 * If the given instance isn't relevant to the processor, it should return a
 * {@code null} contribution.
 * @param registeredBean the registered bean to process
 * @return a {@link BeanRegistrationAotContribution} or {@code null}
 */
```

Found in path(s):
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationAotProcessor.java
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```
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```

Found in path(s):
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/ResourceBundleEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/support/GenericTypeAwareAutowireCandidateResolver.java
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanFactoryInitializationCode.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationCodeFragments.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationExcludeFilter.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/MethodInvocationException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationsAotContribution.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/LocaleEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.java
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyEditorRegistrar.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyAccessorFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/AbstractFactoryBean.java

* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/FatalBeanException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/ParameterResolutionDelegate.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanDefinitionMethodGenerator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/SimpleBeanDefinitionRegistry.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/MethodOverride.java
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/PatternEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/GenericTypeAwarePropertyDescriptor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/SourceExtractor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/support/SortDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/InstanceSupplierCodeGenerator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/StandardBeanInfoFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/ListableBeanFactoryExtensions.kt
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/aot/BeanDefinitionPropertiesCodeGenerator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/DefaultDocumentLoader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/LookupOverride.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/MethodInvokingFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/ParseState.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/ReaderEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/SmartFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/ExtendedBeanInfo.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/MethodInvokingBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/ClassArrayEditor.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/config/ObjectFactoryCreatingFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/InjectionPoint.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/DeprecatedBeanWarner.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/SimpleBeanInfoFactory.java
*
 /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/Location.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ManagedList.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/NullValueInNestedPathException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ScopeNotActiveException.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/aot/BeanFactoryInitializationAotContribution.java

* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/CustomAutowireConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanCreationException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/ZoneIdEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/ProblemReporter.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/NullBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/ObjectFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanNameAware.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/MapFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanExpressionContext.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/Scope.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AotException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/SetFactoryBean.java
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/spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/annotation/InitDestroyAnnotationBeanPostProcessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/NotReadablePropertyException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/DelegatingEntityResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/wiring/BeanWiringInfoResolver.java
* /spring-beans-6-2-9-sources-
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* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionWrapper.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/CannotLoadBeanClassException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyAccessorUtils.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/MethodDescriptor.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/YamlProcessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/NamedBeanHolder.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionDecorator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/YamlMapFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/Configurable.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/CharArrayPropertyEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/DisposableBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/URIEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/PassThroughSourceExtractor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanIsAbstractException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/MutablePropertyValues.java

* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/SimpleInstantiationStrategy.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanDefinitionHolder.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/ByteArrayPropertyEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/InstanceSupplier.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/DocumentLoader.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationsAotProcessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/TypedStringValue.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/PreferencesPlaceholderConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyValuesEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/support/PagedListHolder.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanCurrentlyInCreationException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/PathEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AutowiredArguments.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/FileEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/FailFastProblemReporter.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanExpressionException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyMatches.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/FactoryBeanNotInitializedException.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/support/ImplicitlyAppearedSingletonException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/NamedBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AutowiredFieldValueResolver.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanInitializationException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/PropertyEntry.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/BeanDefinitionRegistry.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AotServices.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/ImportDefinition.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/aot/DefaultBeanRegistrationCodeFragments.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/ListableBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/support/MutableSortDefinition.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/DirectFieldAccessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/DefaultBeanNameGenerator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/StringArrayPropertyEditor.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/support/AbstractAutowireCapableBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/GenericBeanDefinition.java

* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ManagedSet.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyValues.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyEditorRegistry.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/support/PropertyComparator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/AbstractNestablePropertyAccessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanPostProcessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanFactoryExtensions.kt
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/Value.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/aot/BeanRegistrationCodeFragmentsDecorator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AutowiredArgumentsCodeGenerator.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/PropertyDescriptorUtils.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/DefaultNamespaceHandlerResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/YamlPropertiesFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionReader.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/CustomMapEditor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/PropertyOverrideConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/Qualifier.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/annotation/QualifierAnnotationAutowireCandidateResolver.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/CodeWarnings.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/CachedIntrospectionResults.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/BeanMetadataElement.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/NoUniqueBeanDefinitionException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/MethodOverrides.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/AutowireCapableBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/AbstractPropertyAccessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/EmbeddedValueResolver.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/AutowireUtils.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/StaticListableBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
* /spring-beans-6-2-9-sources-
jar/org/springframework/beans/factory/serviceloader/AbstractServiceLoaderBasedFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/propertyeditors/UUIDEditor.java

* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/AutowiredMethodArgumentsResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanFactoryAware.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/DocumentDefaultsDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/InjectionMetadata.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/NamespaceHandler.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ManagedArray.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/ObjectProvider.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/NamespaceHandlerResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/BeansDtdResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/RegisteredBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/SimpleTypeConverter.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/ManagedProperties.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanFactoryPostProcessor.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/AbstractBeanDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/AbstractComponentDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/BeanInfoFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/BeanMetadataAttributeAccessor.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/DisposableBeanAdapter.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/BeanMetadataAttribute.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
*
/spring-beans-6-2-9-sources-jar/org/springframework/beans/InvalidPropertyException.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/support/ArgumentConvertingMethodInvoker.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/BeanDefinitionCustomizer.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/HierarchicalBeanFactory.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/serviceloader/ServiceLoaderFactoryBean.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/SimpleAutowireCandidateResolver.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/aot/BeanRegistrationsCode.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/parsing/ComponentDefinition.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/BeanWrapperImpl.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/SmartInitializingSingleton.java
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* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/config/PropertyPathFactoryBean.java
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* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /spring-beans-6-2-9-sources-jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java

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*/
/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
*
* <p>The XSLT Source object is supplied as a parameter in the model and then
* {@link #locateSource detected} during response rendering. Users can either specify
* a specific entry in
 the model via the {@link #setSourceKey sourceKey} property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See {@link #getSourceTypes() here}
* for more details.
*
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure {@link #setOutputProperties output properties}
* to be passed to the Transformer.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
```

Found in path(s):
* /spring-webmvc-6-2-9-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java
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```
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*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality,
 protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 3.1
*/
```

Found in path(s):
* /spring-webmvc-6-2-9-sources-jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java

1.679 spring-web 6.2.9

1.679.1 Available under license :

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Found in path(s):
* /spring-web-6-2-9-sources-jar/META-INF/services/reactor.blockhound.integration.BlockHoundIntegration
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```
# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types.  File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1918129&view=co
#
# MIME type (lowercased)   Extensions
# ======================================== ==========
```

Found
 in path(s):
* /spring-web-6-2-9-sources-jar/org/springframework/http/mime.types
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```

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*/

Found in path(s):
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/JdkClientHttpRequestFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/JdkClientHttpResponse.java
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*/

Found in path(s):
* /spring-web-6-2-9-sources-jar/org/springframework/web/cors/reactive/UrlBasedCorsConfigurationSource.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/FormPartEvent.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/ProblemDetail.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/web/util/UriComponentsBuilder.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/MultipartBodyBuilder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/WebApplicationInitializer.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/ReactiveHttpRequestValues.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/reactive/JdkHttpClientResourceFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/UriBuilderFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/WriteResultPublisher.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/UriComponents.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/adapter/WebHttpHandlerBuilder.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/RequestPartArgumentResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/ReactorUriHelper.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/HttpMediaTypeNotSupportedException.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/method/annotation/HandlerMethodValidationException.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/ChannelSendOperator.java

* /spring-web-6-2-9-sources-jar/org/springframework/web/cors/CorsProcessor.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/session/WebSessionIdResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/HttpComponentsClientHttpRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/method/ControllerAdviceBean.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/ReactorNettyClientRequestFactory.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/FacesWebRequest.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/protobuf/ProtobufJsonEncoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/i18n/FixedLocaleContextResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/Jackson2ObjectMapperFactoryBean.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/ServerHttpRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/HttpMethod.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/support/MultipartFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/accept/PathExtensionContentNegotiationStrategy.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/ClientHttpRequestExecution.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/converter/json/MappingJackson2HttpMessageConverter.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/RequestParam.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/RequestScope.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/AbstractListenerReadPublisher.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/cors/reactive/PreFlightRequestWebFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/DefaultPartEvents.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/server/observation/DefaultServerRequestObservationConvention.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/ReactorHttpExchangeAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/JavaScriptUtils.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/ProblemDetailJacksonMixin.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/UriBuilder.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/http/codec/protobuf/KotlinSerializationProtobufDecoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/method/support/ModelAndViewContainer.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/MappingJacksonInputMessage.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/SimpleClientHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/filter/RelativeRedirectResponseWrapper.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/AbstractHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/reactive/ReactorClientHttpConnector.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/accept/ContentNegotiationStrategy.java
*
 /spring-web-6-2-9-sources-jar/org/springframework/web/client/support/RestGatewaySupport.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/method/annotation/ModelMethodProcessor.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/HttpCookie.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/ServerSentEventHttpMessageWriter.java

* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/JettyHttpHandlerAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/CacheControl.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/converter/xml/MappingJackson2XmlHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/ServerWebExchangeDecorator.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/MultipartResolver.java
*
/spring-web-6-2-9-sources-
jar/org/springframework/web/service/invoker/AbstractReactorHttpExchangeAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/OkHttp3ClientHttpRequestFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/HttpMessageWriter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/RestOperations.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/HttpComponentsClientHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/NativeWebRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/reactive/JdkClientHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/MultipartWriterSupport.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/cors/UrlBasedCorsConfigurationSource.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/support/BindParamNameResolver.java
*
/spring-web-6-2-9-sources-jar/org/springframework/http/support/HttpComponentsHeadersAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/support/DefaultClientCodecConfigurer.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/converter/support/AllEncompassingFormHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/RestOperationsExtensions.kt
* /spring-web-6-2-9-sources-
jar/org/springframework/http/converter/cbor/MappingJackson2CborHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/xml/MarshallingHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/JettyCoreHttpHandlerAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/support/BasicAuthenticationInterceptor.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/AbstractGenericHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/support/GenericWebApplicationContext.java
*
/spring-web-6-2-9-sources-jar/org/springframework/web/util/pattern/InternalPathPatternParser.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/RequestAttribute.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/pattern/PathPattern.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/UndertowServerHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/HttpExchangeAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/DeleteMapping.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/protobuf/ProtobufDecoder.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/server/observation/ServerRequestObservationConvention.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/OkHttp3ClientHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/async/WebAsyncManager.java
*
/spring-web-6-2-9-sources-
jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/AbstractRequestAttributes.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java

* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/AbstractListenerServerHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/HttpServiceProxyFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/adapter/AbstractReactiveWebInitializer.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/method/annotation/SessionStatusMethodArgumentResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/ClientHttpRequest.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/converter/json/AbstractJackson2HttpMessageConverter.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/multipart/support/StandardMultipartHttpServletRequest.java
*
/spring-web-6-2-9-sources-jar/org/springframework/web/bind/support/WebExchangeDataBinder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/CookieGenerator.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/ServletServerHttpRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/json/Jackson2JsonDecoder.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/pattern/PatternParseException.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/MissingRequestValueException.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/method/annotation/AbstractNamedValueMethodArgumentResolver.java
*
/spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/PatchMapping.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/UriTemplateHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/ContentDisposition.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/xml/XmlEventDecoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/ServletRequestParameterPropertyValues.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/method/support/AsyncHandlerMethodReturnValueHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/ClientHttpResponseDecorator.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/WebSession.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/KotlinSerializationBinaryDecoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/MappingJacksonValue.java
*
/spring-web-6-2-9-sources-jar/org/springframework/web/bind/MissingMatrixVariableException.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/handler/FilteringWebHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/HttpHandlerDecoratorFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/JettyCoreServerHttpResponse.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/method/support/CompositeUriComponentsContributor.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/support/ProxyFactoryBean.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/CoWebFilter.kt
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/KotlinSerializationBinaryEncoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/RequestPart.java
*

/spring-web-6-2-9-sources-jar/org/springframework/http/client/support/HttpRequestWrapper.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/DefaultRequestPath.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/pattern/WildcardTheRestPathElement.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/support/DefaultServerCodecConfigurer.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/method/annotation/SessionAttributesHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/MultipartFileResource.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/SessionScope.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/AbstractSmartHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/server/ServerWebInputException.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/filter/HiddenHttpMethodFilter.java
*
/spring-web-6-2-9-sources-jar/org/springframework/http/ResponseCookie.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/support/ConfigurableWebBindingInitializer.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/filter/CorsFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/HttpHeadResponseDecorator.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/support/StaticWebApplicationContext.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/annotation/HttpExchange.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/RequestCallback.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/server/reactive/observation/ServerHttpObservationDocumentation.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/MultipartHttpMessageReader.java
*
/spring-web-6-2-9-sources-jar/org/springframework/http/codec/support/BaseCodecConfigurer.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/JacksonModulesRuntimeHints.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/support/SpringWebConstraintValidatorFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/WebDataBinder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/support/BaseDefaultCodecs.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/HttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/json/Jackson2Tokenizer.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/MultipartRequest.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
*
/spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/FilePartEvent.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/client/ReactorResourceFactory.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/HttpRequestValues.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/accept/ContentNegotiationManagerFactoryBean.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/CodecConfigurer.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/support/GroovyWebApplicationContext.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/GsonBuilderUtils.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/HttpMessageEncoder.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/ExceptionHandler.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/ReactorNetty2ServerHttpResponse.java
*

/spring-web-6-2-9-sources-jar/org/springframework/http/client/reactive/ClientHttpResponse.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/HttpClientErrorException.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/context/support/AbstractRefreshableWebApplicationContext.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/ServletRequestDataBinder.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/ReactiveHttpInputMessage.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/DefaultParts.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/annotation/PathVariable.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/annotation/DeleteExchange.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/json/Jackson2SmileDecoder.java
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* /spring-web-6-2-9-sources-jar/org/springframework/http/client/reactive/ClientHttpRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/bind/MethodArgumentNotValidException.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/ErrorResponseException.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/JettyCoreServerHttpRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/filter/ForwardedHeaderFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/support/StandardServletEnvironment.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/util/ForwardedHeaderUtils.java
*
/spring-web-6-2-9-sources-jar/org/springframework/web/context/request/async/CallableInterceptorChain.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/ResourceHttpMessageConverter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/ServletWebRequest.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/client/HttpServerErrorException.java
* /spring-web-6-2-9-sources-
jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/codec/multipart/FilePart.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/converter/json/Jackson2ObjectMapperBuilder.java
* /spring-web-6-2-9-sources-jar/org/springframework/http/server/reactive/UndertowHeadersAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/context/request/RequestContextHolder.java
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/spring-web-6-2-9-sources-jar/org/springframework/web/filter/UrlHandlerFilter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/service/invoker/HttpClientAdapter.java
* /spring-web-6-2-9-sources-jar/org/springframework/web/multipart/MultipartException.java
* /spring-web-6-2-9-sources-
jar/org/springframework/http/server/observation/ServerHttpObservationDocumentation.java

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* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/ObservationPredicate.java
* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/docs/ObservationDocumentation.java
* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/NoopObservationRegistry.java
* /micrometer-observation-1-14-9-sources-
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* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/docs/package-info.java
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* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/ObservationFilter.java
* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/transport/ReceiverContext.java
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* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/SimpleObservationRegistry.java
* /micrometer-observation-1-14-9-sources-jar/io/micrometer/observation/contextpropagation/package-info.java
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes

2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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```
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* or implied. See the License for the specific language governing permissions and limitations under
* the License.
*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/
```

Found in path(s):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/ExtraObjectsMethodsForWeb.java
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```
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*/
```

Found in path(s):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedMultisetBridge.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/TreeRangeMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CompactLinkedHashMap.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ForwardingNavigableSet.java

* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CompactHashSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/TransformedIterator.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/CompactLinkedHashSet.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/DescendingImmutableSortedSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/AbstractMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/AbstractNavigableMap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingImmutableMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FilteredSetMultimap.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableEnumMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CompactHashMap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/AbstractSortedKeySortedSetMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/TransformedListIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/EvictingQueue.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RangeMap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingImmutableList.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/DescendingMultiset.java
*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingImmutableSet.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingNavigableMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/AllEqualOrdering.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FilteredMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/FilteredEntrySetMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/FilteredKeyListMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableAsList.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/FilteredKeySetMultimap.java
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Found in path(s):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Streams.java
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/**
   * Sets the retry policy options associated with the DocumentClient instance.
   * <p>
   * Properties in the RetryOptions class allow application to customize the built-in
   * retry policies. This property is optional. When it's not set, the SDK uses the
   * default values for configuring the retry policies. See RetryOptions class for
   * more details.
   *
   * @param throttlingRetryOptions the RetryOptions instance.
   * @return the ConnectionPolicy.
   * @throws IllegalArgumentException thrown if an error occurs
   */

Found in path(s):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ConnectionPolicy.java
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Found in path(s):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/batch/BatchRequestResponseConstant.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/AadTokenAuthorizationHelper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/aggregation/AverageAggregator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/DistinctHash.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/QueryMetricsUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/User.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosUserResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/DirectConnectionConfig.java

* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Integers.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Bytes.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/http/HttpClient.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/AggregateItem.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/http/HttpHeaders.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/PartitionSynchronizer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/CosmosDiagnostics.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/SessionContainer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/TracerProvider.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosDatabaseProperties.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/ServiceItemLeaseUpdater.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/Paginator.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/BaseAuthorizationTokenProvider.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/DefaultObserver.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/aggregation/CountAggregator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/HttpConstants.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/UnauthorizedException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ItemOperations.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ContentSerializationFormat.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosPermissionResponse.java
* /azure-cosmos-4-7-0-sources-1-
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*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdClientChannelHealthChecker.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/PartitionKeyMismatchRetryPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/PartitionKeyDefinitionVersion.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/query/DocumentQueryExecutionContextFactory.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdUUID.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/BadRequestException.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/FeedResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/ItemTypeHelper.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/SessionTokenMismatchRetryPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/util/Beta.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/EnumerationDirection.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/RemainingPartitionWork.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/ExceptionClassifier.java

* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/ResponseUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/CosmosError.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ClientRetryPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/ConnectionMode.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/metrics/TextTable.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/LifeCycleUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ResourceThrottleRetryPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/PartitionManager.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/DocumentServiceLeaseUpdaterImpl.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/http/BufferedHttpResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/CosmosUser.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/SqlParameter.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/StoredProcedureResponse.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ItemDeserializer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/TransactionalBatchOperationResult.java
*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/exceptions/LeaseLostException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Undefined.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/PartitionCheckpointerImpl.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Conflict.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RetryUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Resource.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosStoredProcedureResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/ServerProperties.java
* /azure-cosmos-4-7-0-sources-1-
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/TransportException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/CosmosUserDefinedFunction.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/directconnectivity/GlobalAddressResolver.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/caches/AsyncCache.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdRequest.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Quadruple.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Utils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/TransactionalBatchItemRequestOptions.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/PathParser.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Strings.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/IndexingMode.java
* /azure-cosmos-4-7-0-sources-1-

jar/com/azure/cosmos/implementation/directconnectivity/ReplicatedResourceClient.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosItemIdentity.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/GoneException.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/SerializationFormattingPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/OrderByDocumentProducer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/UserDefinedFunction.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RMResources.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/ThroughputProperties.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/ConsistencyLevel.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/IRetryPolicy.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/OrderByContinuationToken.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosQueryRequestOptions.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/QueryMetrics.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/query/metrics/QueryMetricsTextWriter.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RxDocumentServiceResponse.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ForbiddenException.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/routing/UndefinedPartitionKeyComponent.java
* /azure-cosmos-4-7-0-sources-1-
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosContainerRequestOptions.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/exceptions/LeaseConflictException.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/util/CosmosPagedFlux.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/OffsetContinuationToken.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/query/aggregation/AggregateOperator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/HealthMonitoringRecord.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/query/DefaultDocumentQueryExecutionContext.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/ThrottlingRetryOptions.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ResourceTokenAuthorizationHelper.java
*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/BootstrapperImpl.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/routing/PartitionKeyInternal.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/util/package-info.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/TransportClient.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ResetSessionTokenRetryPolicyFactory.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/PartitionController.java

* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RetryContext.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Exceptions.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/Permission.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/DatabaseAccountConfigurationProvider.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/SerializationDiagnosticsContext.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/implementation/Constants.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/TriggerOperation.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/ChangeFeedProcessorOptions.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/directconnectivity/rntbd/FailFastRntbdRequestRecord.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/IRoutingMapProvider.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/PartitionKey.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ServiceUnavailableException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/CosmosDatabase.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/implementation/ObserverExceptionWrappingChangeFeedObserv
erDecorator.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/ChangeFeedProcessorBuilder.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/TriggerType.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RuntimeExecutionTimes.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/query/ParallelDocumentQueryExecutionContextBase.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/PartitionKeyDefinition.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/query/orderbyquery/OrderByRowResult.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/QueryCompatibilityMode.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/changefeed/exceptions/PartitionException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/AuthorizationTokenProvider.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/ReplicatedResourceClientUtils.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/LeaseCheckpointer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/JavaStreamUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/RetryPolicyWithDiagnostics.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/StoreClient.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/PartitionLoadBalancer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/CosmosAsyncUser.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/WFConstants.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/ConsistencyReader.java
*
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/caches/IPartitionKeyRangeCache.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/CosmosItemRequestOptions.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/TimeoutHelper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/directconnectivity/Uri.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/routing/CollectionRoutingMap.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/PartitionKeyRangeGoneRetryPolicy.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/changefeed/LeaseContainer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/routing/MaxStringPartitionKeyComponent.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/routing/InfinityPartitionKeyComponent.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/caches/RxCollectionCache.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/PartitionKeyRangeIsSplittingException.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/models/IndexingPolicy.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Primitives.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/HashBiMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Suppliers.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Interners.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Throwables.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Charsets.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/PatternCompiler.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/CommonPattern.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/JdkPattern.java
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* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingSetMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/MinMaxPriorityQueue.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingImmutableCollection.java
*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingSortedSetMultimap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/AbstractSequentialIterator.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/UnmodifiableListIterator.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ForwardingListMultimap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedMapDifference.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableBiMapFauxverideShim.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CollectSpliterators.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/RandomStringUtils.java
*
 /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/time/DurationFormatUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/ResettableIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/AbstractEmptyIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/text/translate/UnicodeUnescaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/map/AbstractMapDecorator.java

* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/Validate.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/Get.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-

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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/AbstractUntypedIteratorDecorator.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/map/AbstractHashedMap.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/EmptyIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/list/AbstractSerializableListDecorator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/UnmodifiableMapIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/list/iterators/UnmodifiableIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/AbstractIteratorDecorator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/map/EntrySetToMapIteratorAdapter.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/CollectionUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/map/AbstractIterableMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/Put.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/tuple/ImmutablePair.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/EnumUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/list/iterators/UnmodifiableListIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/ObjectUtils.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/set/UnmodifiableSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/time/StopWatch.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/set/AbstractSetDecorator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/map/UnmodifiableMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/UnmodifiableCollection.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/iterators/EmptyMapIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/text/translate/CharSequenceTranslator.java

* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/AbstractCollectionDecorator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/collections/list/UnmodifiableList.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/ArrayUtils.java
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/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/apachecommons/lang/builder/Builder.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMultisetFauxverideShim.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMultiset.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ForwardingSortedMultiset.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Count.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/GeneralRange.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RangeSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableSortedMultiset.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedIterable.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/AbstractRangeSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedIterables.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/MultimapBuilder.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
  */

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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CartesianList.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/package-info.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableRangeSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/StandardSystemProperty.java
*
 /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableRangeMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FilteredKeyMultimap.java
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* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/RangeGwtSerializationDependencies.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CollectCollectors.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMultisetGwtSerializationDependencies.java
*

/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ArrayListMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/HashMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Comparators.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/LinkedHashMultimapGwtSerializationDependencies.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/MoreCollectors.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):
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMapFauxverideShim.java
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Manifest-Version: 1.0
Built-By: vsts
Created-By: Apache Maven 3.6.3
Build-Jdk: 11.0.8

Name: com/azure/cosmos/CosmosDatabase.java
SHA-256-Digest: fROGY24s0FvCX8tXdG0X6Sye+Q0MlkswUknpGxPU4QU=
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Name: com/azure/cosmos/CosmosUserDefinedFunction.java
SHA-256-Digest: 37s68wMku+PYyDxQFZ+ojLdFzYegGgTC12w1VAifbiU=

Name: com/azure/cosmos/implementation/apachecommons/collections/map/AbstractIterableMap.java
SHA-256-Digest: tkFHuNM18mlQluPdNYL8GF5wfXJnkR37LgwPpYdgEyo=

Name: com/azure/cosmos/models/ConflictResolutionMode.java
SHA-256-Digest: O3ay8wLtz6n7pwPGEBU+U04rjYycNUH5nluIaE5xxXM=

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Name: com/azure/cosmos/implementation/changefeed/PartitionCheckpointer.java
SHA-256-Digest: nyqR6X2vgPKhKNLf9pYTosRrJD13bFLm2nV55ZOtjCw=

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Name:
com/azure/cosmos/implementation/CosmosResourceType.java
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Resolver.java
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FeedProcessorBuilderImpl.java
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Name: com/azure/cosmos/ConnectionMode.java
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FeedContextClientImpl.java
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Context.java
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Name: com/azure/cosmos/implementation/apachecommons/lang/StringUtils.j
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SHA-256-Digest: aEgkL59WEhqfSP6Wu+nmYy9oj5s6mden1LwgfUvBWmw=

Name: com/azure/cosmos/implementation/guava25/collect/FilteredMultimap
.java
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Name: com/azure/cosmos/implementation/directconnectivity/rntbd/RntbdSe
rviceEndpoint.java
SHA-256-Digest: lHgePEMZd5z1I9Cg7wD9hNqckdskdnSP/xQOy2GYnqE=

Name: module-info.java
SHA-256-Digest: rllhUGyuD5n/+XOslayXPqzTpWVCTD+HQtIuzQR04Lo=

Name: com/azure/cosmos/implementation/uuid/UUIDComparator.java
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Name: com/azure/cosmos/implementation/guava25/collect/ForwardingMultis
et.java
SHA-256-Digest: Iq52BYEVzyZez23s74jLUvHZEgqwENnUFUo5/pu2pQM=

Name: com/azure/cosmos/implementation/guava25/collect/AbstractSortedKe
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Name: com/azure/cosmos/implementation/directconnectivity/AddressInform
ation.java
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Name: com/azure/cosmos/models/PartitionKeyDefinition.java
SHA-256-Digest: uue3QHy4TNcj5dfWOZDbzHYAqSWKgJl26OWeH0Wf4d4=

Name: com/azure/cosmos/implementation/guava25/base/FinalizableWeakRefe
rence.java
SHA-256-Digest: yn+OR4J6r32e01JTMhXz/rHKOOAupGHaO4NEXU/NrCA=

Name: com/azure/cosmos/implementation/query/SingleGroupAggregator.java
SHA-256-Digest: Ue0sL5B38yLWjY6uTKlx3Zerb1Wh9IfNwSKDLtBC62M=

Name:
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Name: com/azure/cosmos/implementation/changefeed/LeaseStore.java
SHA-256-Digest: kcxg/aKsTpnQ7fjqow+aw3TN2KtWPlUPJpsB0aFcgJg=

Name: com/azure/cosmos/implementation/RetryUtils.java
SHA-256-Digest: AjS0E9pKQBKOaIN0G8c/2dg91GnPaPRNOamTi/k2DI4=

Name: com/azure/cosmos/implementation/InternalObjectNode.java
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Name: com/azure/cosmos/implementation/directconnectivity/ConsistencyRe
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SHA-256-Digest: TzytRkBsfHozXvBwhXRWKpaGB7JSZCyOLjLBRjCIiQQ=

Name: com/azure/cosmos/implementation/DatabaseAccount.java
SHA-256-Digest: iWIbZrDVqQd3RQMKqa3oZ3ugO+DHzFUBnDgOrDCgHLg=

Name: com/azure/cosmos/implementation/BaseAuthorizationTokenProvider.j
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SHA-256-Digest: N2uIAo9RotHjQyoWUOYK1/oPhOvtOWqa/57shsZ849c=

Name:

com/azure/cosmos/implementation/guava25/collect/SortedMapDiffere
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Name: com/azure/cosmos/implementation/guava25/collect/RegularImmutable
Set.java
SHA-256-Digest: N84SEdDY3hsSly6asqvusbL/RNap5gftY+TXvMWEaCY=

Name: com/azure/cosmos/models/ExcludedPath.java
SHA-256-Digest: SHyCR4CXhH7dwadbpp+vp/VtObEUtrPiwN3a1EVDxYI=

Name: com/azure/cosmos/implementation/EnumerationDirection.java
SHA-256-Digest: tc0IMHDFqVJyWilyLJKhGoZYl5jUXAk3mrzl2sSXWVU=

Name: com/azure/cosmos/implementation/apachecommons/text/WordUtils.jav
a
SHA-256-Digest: IurHdHxr2W1Fxhp7b3gEgYDoQnotwTrKsq5UBW7QwXo=

Name: com/azure/cosmos/implementation/TestConfigurations.java
SHA-256-Digest: AuYBfnDMcVqzFQCnt/m4U7bwx9d9qZ8Cvm+07uYRCzM=

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jar/com/azure/cosmos/implementation/guava25/collect/JdkBackedImmutableSet.java
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jar/com/azure/cosmos/implementation/guava25/collect/JdkBackedImmutableMultiset.java
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/**
   * Sets the retry policy options associated with the DocumentClient instance.
   * <p>
   * Properties in the RetryOptions class allow application to customize the built-in
   * retry policies. This property is optional. When it's not set, the SDK uses the
   * default values for configuring the retry policies. See RetryOptions class for
   * more details.
   *
   * @param throttlingRetryOptions the RetryOptions instance.
   * @return current CosmosClientBuilder
   * @throws IllegalArgumentException thrown if an error occurs
   */

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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
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Collections2.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Platform.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMapKeySet.java
*
/azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableBiMap.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/EmptyImmutableListMultimap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableCollection.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableBiMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/UnmodifiableIterator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/CollectPreconditions.java
* /azure-cosmos-4-7-0-sources-1-
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* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/ImmutableListMultimap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/PeekingIterator.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMultimap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableEntry.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Table.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMultiset.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Range.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Serialization.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableMapValues.java
* /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/guava25/collect/SingletonImmutableBiMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedSet.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableMap.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Equivalence.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ContiguousSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SortedLists.java
*
/azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Strings.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/net/package-info.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/package-info.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava27/Strings.java
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/**
   * Replaces a permission.
   * <p>
   * After subscription the operation will be performed.
   * The {@link Mono} upon successful completion will contain a single resource response with the replaced permission.
   * In case of failure the {@link Mono} will error.

```
    *
    * @param permission the permission to use.
    * @param options    the request options.
    * @return a {@link Mono} containing the single resource response with the replaced permission or an error.
    */
```

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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/UnicodeEscaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Joiner.java
*
 /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/internal/Finalizer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Stopwatch.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/Escaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Ints.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Converter.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/net/PercentEscaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/primitives/Longs.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/FluentIterable.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/Jug.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDTimer.java
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 /azure-cosmos-4-7-0-sources-1-
jar/com/azure/cosmos/implementation/uuid/ext/FileBasedTimestampSynchronizer.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDType.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDGenerator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/Generators.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/impl/TimeBasedGenerator.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/StringArgGenerator.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/UUIDClock.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/impl/NameBasedGenerator.java
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 /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/uuid/TimestampSynchronizer.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/ArrayBasedUnicodeEscaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/MapMakerInternalMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/ArrayBasedEscaperMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/ArrayBasedCharEscaper.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/Cut.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/Escapers.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/escape/Platform.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/base/Platform.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ComputationException.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ComparisonChain.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableClassToInstanceMap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSetMultimap.java
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* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/EmptyImmutableSetMultimap.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/SingletonImmutableList.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/RegularImmutableList.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableSortedSetFauxverideShim.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableEnumSet.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/ImmutableAsList.java
* /azure-cosmos-4-7-0-sources-1-jar/com/azure/cosmos/implementation/guava25/collect/AbstractIndexedListIterator.java

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1.691 jackson-dataformat-xml 2.19.2

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* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java
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* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
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* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
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* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/WrappedCompositeByteBuf.java
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* /netty-buffer-4-1-123-final-sources-jar/io/netty/buffer/search/SearchProcessorFactory.java
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1.694 netty-handler-proxy 4.1.123.Final

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1.695 netty-transport-native-unix-common 4.1.123.Final

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* /netty-transport-native-unix-common-4-1-123-final-sources-jar/io/netty/channel/unix/Limits.java
* /netty-transport-native-unix-common-4-1-123-final-sources-
jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /netty-transport-native-unix-common-4-1-123-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
*
 /netty-transport-native-unix-common-4-1-123-final-sources-
jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /netty-transport-native-unix-common-4-1-123-final-sources-jar/netty_unix_limits.h
* /netty-transport-native-unix-common-4-1-123-final-sources-jar/netty_unix_limits.c
* /netty-transport-native-unix-common-4-1-123-final-sources-jar/netty_unix_util.c
* /netty-transport-native-unix-common-4-1-123-final-sources-jar/netty_unix_util.h
* /netty-transport-native-unix-common-4-1-123-final-sources-
jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java

1.696 netty-codec 4.1.123.Final

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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/ValueConverter.java
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* Robert
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* Base64 Encoder/Decoder.
*/

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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/DeflateOptions.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/StandardCompressionOptions.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZstdConstants.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZstdEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/BrotliDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Zstd.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Brotli.java

* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/BrotliEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/GzipOptions.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/BrotliOptions.java
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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/EmptyHeaders.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DefaultHeaders.java
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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/bytes/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/UnmarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DecoderResult.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/Delimiters.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/DecompressionException.java

* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/string/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DecoderException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZlibEncoder.java
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/netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/CodecException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageToMessageEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/base64/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/package-info.java
*
/netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ClassLoaderClassResolver.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
*
/netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/EncoderException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java
*
/netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java

* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
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* /netty-codec-4-1-123-final-sources-
jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/FastLz.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java

* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
*
/netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
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*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* Base64 notation.
* <p>
 * The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
* Base64 Encoder/Decoder.
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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /netty-codec-4-1-123-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/HeadersUtils.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
*
 /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DateFormatter.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
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*/
/**
* A decoder that splits the received {@link ByteBuf}s dynamically by the
* value of the length field in the message.  It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
*
 <p>
* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD".  By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field.  Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content
 |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>.  In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
```

```
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
 * </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
*     represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples.  However, in some protocols, the
* length field represents the length of the whole message, including the
* message header.  In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>.  Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual
 Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example.  An extra
* header value is prepended to the message.  <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
```

```
|  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body.  You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                 AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C |  0xCAFE  | "HELLO, WORLD" |      | 0x00000C |  0xCAFE  | "HELLO,
 WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field</h3>
*
* This is a combination of all the examples above.  There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>.  We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame.  If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 +
 LEN)
*
* BEFORE DECODE (16 bytes)                 AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
*
```

```
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
*     strip the first header field and the length field, the length field
*     represents the length of the whole message</h3>
*
* Let's give another twist to the previous example.  The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because
 the length field already includes the whole header length.
* <pre>
* lengthFieldOffset   =  1
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +------+--------+------+----------------+      +------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +------+--------+------+----------------+      +------+----------------+
* </pre>
* @see LengthFieldPrepender
*/
```

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* /netty-codec-4-1-123-final-sources-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
*
* <h3>Sub-types</h3>
*
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
subtypes:
*
* {@link
 ChannelInboundHandler} to handle inbound I/O events, and
* {@link ChannelOutboundHandler} to handle outbound I/O operations.
*
*
*
* Alternatively, the following adapter classes are provided for your convenience:
*
* {@link ChannelInboundHandlerAdapter} to handle inbound I/O events,
* {@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and
* {@link ChannelDuplexHandler} to handle both inbound and outbound events
*
*
*
* For more information, please refer to the documentation of each subtype.
*
*

```
* <h3>The context object</h3>
* <p>
* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}
* object.  A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object.  Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically,
 or store the information
* (using {@link AttributeKey}s) which is specific to the handler.
*
* <h3>State management</h3>
*
* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     {@code @Override}
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*
 }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See {@link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
```

```
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
 * <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*           {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the
 state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
```

```
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*
* <h4>The {@code @Sharable} annotation</h4>
* <p>
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create
 a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the {@link ChannelHandler}, and
* {@link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a  pipeline,  and how to handle
* the operation in your application.
*/
```

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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/EventLoopTaskQueueFactory.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
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 /netty-transport-4-1-123-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/SimpleChannelInboundHandler.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/AddressedEnvelope.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/bootstrap/ChannelFactory.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/group/ChannelMatcher.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelProgressiveFutureListener.java

* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DefaultChannelId.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/group/ChannelGroup.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/package-info.java
*
 /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
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 /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
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 /netty-transport-4-1-123-final-sources-jar/io/netty/channel/PendingBytesTracker.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/bootstrap/FailedChannel.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/internal/package-info.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java
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 /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelConfig.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/ChannelPipelineException.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/SocketChannel.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
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* /netty-transport-4-1-123-final-sources-jar/io/netty/channel/DefaultFileRegion.java
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1.698 netty-codec-http 4.1.123.Final

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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
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/netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cors/package-info.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/ComposedLastHttpContent.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/CookieEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/package-info.java
*
 /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/EmptyHttpHeaders.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java
*
 /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpScheme.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakeException.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/multipart/DeleteFileOnExitHook.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshakeException.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpHeadersFactory.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpDecoderConfig.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
*
/netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
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/netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolConfig.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
* /netty-codec-http-4-1-123-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionEncoder.java
*
 /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtension.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameClientExtensionHandshaker.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateClientExtensionHandshaker.java
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 /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpHeaderValues.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
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* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/HttpChunkedInput.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateServerExtensionHandshaker.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /netty-codec-http-4-1-123-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java
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1.699 netty 4.1.123.Final

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Manifest-Version: 1.0

Bundle-License: https://www.apache.org/licenses/LICENSE-2.0
Bundle-SymbolicName: io.netty.all
Built-By: runner
Bnd-LastModified: 1752571425219
Specification-Title: Netty/All-in-One
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
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,org.bouncycastle.jcajce.provider;version=
"[1.0,2)";resolution:=optional
Bundle-Name: Netty/All-in-One
Build-Jdk-Spec: 1.8
Implementation-Title: Netty/All-in-One
Bundle-Description: Netty is an asynchronous event-driven network appl
ication framework for rapid development of maintainable high perfo
rmance protocol servers and clients.
Automatic-Module-Name: io.netty.all
Implementation-Version: 4.1.123.Final
Specification-Vendor: The Netty Project
Bundle-ManifestVersion: 2
Bundle-Vendor:
 The Netty Project
Tool: Bnd-6.3.1.202206071316
Implementation-Vendor: The Netty Project
Bundle-Version: 4.1.123.Final
Created-By: Apache Maven Bundle Plugin 5.1.8
Build-Jdk: 1.8.0_452
Specification-Version: 4.1
Implementation-URL: https://netty.io/netty-all/

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1.700 netty-handler 4.1.123.Final

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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSsl.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
*
/netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/package-info.java

* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkSslContext.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SniHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/LazyX509Certificate.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolUtil.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslClientContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslProvider.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslUtils.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PemReader.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslMasterKeyHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/address/package-info.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/X509KeyManagerWrapper.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/KeyManagerFactoryWrapper.java
*
/netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/TrustManagerFactoryWrapper.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/address/DynamicAddressConnectHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PseudoRandomFunction.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java

* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslInternalSession.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterial.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKey.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslHandlerCoalescingBufferQueue.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ResumableX509ExtendedTrustManager.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslSession.java
*
/netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ResumptionController.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/flush/package-info.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/flush/FlushConsolidationHandler.java

*
/netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/Java8SslUtils.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/DelegatingSslContext.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/flow/package-info.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PemEncoded.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PemValue.java
*
/netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/PemPrivateKey.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/package-info.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/EthernetPacket.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/TCPPacket.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/PcapHeaders.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/IPPacket.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/PcapWriteHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/pcap/UDPPacket.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
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 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslContextBuilder.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/traffic/package-info.java
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*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilter.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/BouncyCastleAlpnSslEngine.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/Ciphers.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslContextOption.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/OpenSslSessionCache.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/timeout/ReadTimeoutException.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/stream/ChunkedInput.java
*
 /netty-handler-4-1-123-final-sources-jar/io/netty/handler/stream/ChunkedFile.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/SslHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/timeout/IdleState.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/stream/package-info.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/logging/LogLevel.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java
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* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
* /netty-handler-4-1-123-final-sources-jar/io/netty/handler/ssl/package-info.java
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* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/NoopAddressResolver.java
* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/NameResolver.java
*
/netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
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* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/DefaultAddressResolverGroup.java
*
/netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java
* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/DefaultNameResolver.java
* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
* /netty-resolver-4-1-123-final-sources-jar/io/netty/resolver/CompositeNameResolver.java
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1.702 msal 1.33.0

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1.704 micrometer-observation 1.15.2

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* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/SimpleObservation.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationFilter.java
*
/micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/NoopObservationConfig.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationTextPublisher.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/package-info.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/transport/package-info.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationPredicate.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationView.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/aop/package-info.java
* /micrometer-observation-1-15-2-sources-
jar/io/micrometer/observation/aop/ObservedAspectObservationDocumentation.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/contextpropagation/package-info.java
* /micrometer-observation-1-15-2-sources-
jar/io/micrometer/observation/transport/RequestReplySenderContext.java
*
/micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/NoopObservation.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/GlobalObservationConvention.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/NoopObservationRegistry.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/transport/Propagator.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/NoopObservationConvention.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationRegistry.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/Observation.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/aop/ObservedAspect.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/annotation/package-info.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/docs/package-info.java
*
/micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/KeyValuesConvention.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/ObservationConvention.java
* /micrometer-observation-1-15-2-sources-
jar/io/micrometer/observation/transport/RequestReplyReceiverContext.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/transport/ReceiverContext.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/transport/ResponseContext.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/annotation/Observed.java
* /micrometer-observation-1-15-2-sources-jar/io/micrometer/observation/transport/SenderContext.java
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1.705 hibernate 6.6.22.Final

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*/
/**
  * Specifies a duration in milliseconds defining the minimum query execution time that
  * characterizes a "slow" query. Any SQL query which takes longer than this amount of
  * time to execute will be logged.
  * <p>
  * A value of {@code 0}, the default, disables logging of "slow" queries.
  *
  * @see org.hibernate.stat.Statistics#getSlowQueries()
  */
```

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//     "5.3 in upgrading.  It will be removed in a later version."
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/**
  * Subclass used to simply instantiation of singular attributes representing an entity's
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  */
```

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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/mapping/IndexedCollection.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/spi/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/MappingException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/archive/scan/internal/StandardScanOptions.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/bytecode/enhance/spi/UnsupportedEnhancementStrategy.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/tuple/VmValueGeneration.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/engine/jdbc/env/internal/NormalizingIdentifierHelperImpl.java
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jar/org/hibernate/boot/model/source/spi/PluralAttributeMapKeyManyToManySource.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/mapping/AggregateColumn.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/MySQL8Dialect.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/jdbc/LongNVarcharJdbcType.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/event/internal/ReattachVisitor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/mapping/Set.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/source/spi/SecondaryTableSource.java
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jar/org/hibernate/boot/model/source/internal/hbm/IndexedPluralAttributeSource.java
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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/event/spi/PreLoadEventListener.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/event/internal/PostDeleteEventListenerStandardImpl.java
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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/FetchTypeMarshalling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/JdbcLogging.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/archive/scan/spi/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/spi/Binder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/TableUpdateBuilderSkipped.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/ValuedModelPart.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/TableMutationBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/OptionalDeterminationSecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/ResourceStreamLocator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/entity/mutation/AttributeAnalysis.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/InheritanceTypeMarshalling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/EntityMutationOperationGroup.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/jdbc/JdbcDeleteMutation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/collection/mutation/UpdateRowsCoordinator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/collection/mutation/UpdateRowsCoordinatorNoOp.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/internal/MultiIdEntityLoaderArrayParam.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/internal/MultiKeyLoadHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/env/internal/LobCreationHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/AggregateComponentBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/PkDrivenByDefaultMapsIdSecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/CacheAccessTypeMarshalling.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/mutation/group/UnknownParameterException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/spi/SecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/internal/IdentifierLoadAccessImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/beanvalidation/BeanValidationIntegrator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/ListBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/TableUpdateBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/DiscriminatorSqmPath.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/JPAXMLOverriddenMetadataProvider.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/AbstractPropertyHolder.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/spi/AdditionalMappingContributor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/MutationGroupSingle.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/NullnessRestriction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/TableDeleteBuilderStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/hql/internal/SqmTreeCreationHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/collection/mutation/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/internal/JdbcOperationQueryInsertImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/internal/stax/MappingEventReader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/internal/SimpleResourceLocator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/TableMutation.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/spi/JdbcOperation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/SoftDeleteMapping.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/spi/BindableMappingDescriptor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/internal/MutationStatementPreparerImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/CopyIdentifierComponentSecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/mutation/spi/BindingGroup.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/annotations/ConverterRegistration.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/AbstractTableUpdateBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/archive/spi/package-info.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/ObjectNameSource.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/batch/JdbcBatchLogging.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/ProxoolSettings.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/AbstractTableInsertBuilder.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/mapping/internal/OneToManyCollectionPart.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/BytecodeSettings.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/bytecode/internal/BytecodeEnhancementMetadataPojoImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/ArrayBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/internal/DiscriminatorTypeImpl.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/boot/jaxb/hbm/transform/TargetColumnAdapterJaxbColumn.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/FetchSettings.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/entity/mutation/DeleteCoordinatorSoft.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/hbm/transform/ColumnAndFormulaTarget.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/FlushModeMarshalling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/env/internal/LobCreationLogging.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/EntityBatchLoader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/SchemaToolingSettings.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/AttributeConversionInfo.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/PrimitiveArrayBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/PropertyHolder.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/SqlArrayMultiKeyLoader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/AbstractTableMutationBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/TableUpdateStandard.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/bytecode/internal/BytecodeEnhancementMetadataNonPojoImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/profile/internal/FetchProfileAffectee.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/mutation/internal/MutationQueryLogging.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/CacheSettings.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/beanvalidation/HibernateTraversableResolver.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/WrapperArrayHandling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/XMLContext.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/mapping/IdentifiableTypeClass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/MutationOperationGroupStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/ToOneFkSecondPass.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/mapping/internal/MutableAttributeMappingList.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/archive/scan/package-info.java
* /hibernate-core-6-6-22-final-sources-

jar/org/hibernate/query/sqm/mutation/internal/temptable/SoftDeleteExecutionDelegate.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/MutationType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/AnnotationBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/insert/InsertStatement.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/jdbc/LocalDateTimeJdbcType.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/env/internal/BlobAndClobCreator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/CollectionSecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/internal/AbstractJdbcOperationQueryInsert.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/BagBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/PropertyBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/PersistentAttributeFilter.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/persister/collection/mutation/RemoveCoordinatorNoOp.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/tuple/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/CacheModeMarshalling.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ValuesAnalysis.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/TableBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/NaturalId.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/builder/MutationGroupBuilder.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/boot/jaxb/mapping/marshall/ResultCheckStyleMarshalling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/MutationGroup.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/hbm/transform/ColumnDefaults.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/MultiKeyLoadSizingStrategy.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/sql/results/jdbc/internal/JdbcValuesMappingProducerProviderInitiator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/jdbc/LocalDateJdbcType.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/env/internal/LobTypes.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/batch/spi/Batch.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/jdbc/JdbcMutationOperation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/internal/MappingBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/MapBinder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/service/JavaServiceLoadable.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchBuilderImpl.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/engine/jdbc/mutation/internal/AbstractSingleMutationExecutor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/DefaultDiscriminatorConverter.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/EmbeddableBinder.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/jdbc/batch/internal/BatchImpl.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/mapping/internal/ManyToManyCollectionPart.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/internal/AbstractCollectionBatchLoader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/jdbc/UpsertOperation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/collection/mutation/OperationProducer.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/internal/FetchSecondPass.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/jdbc/DeleteOrUpsertOperation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/jaxb/mapping/marshall/AccessTypeMarshalling.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/SessionEventSettings.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/OptionalTableUpdate.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/jdbc/LocalTimeJdbcType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/TableDetails.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/StatisticsSettings.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/sql/model/internal/EntityMutationOperationGroupStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/util/IndexedBiConsumer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/internal/TableDeleteStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/model/ast/AbstractTableDelete.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/MultiKeyLoader.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/engine/jdbc/mutation/internal/MutationExecutorSingleNonBatched.java
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Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/persistence_2_2.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/orm_2_2.xsd
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/*
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*/
/**
  * Used to pass a CDI {@link jakarta.enterprise.inject.spi.BeanManager} to
  * Hibernate.
  * <p>
  * According to the JPA specification, the {@code BeanManager} should be
  * passed at boot time and be ready for immediate use at that time. But
  * not all environments can do this (WildFly, for example). To accommodate
  * such environments, Hibernate provides two options:
  *   A proprietary CDI extension SPI (which has been proposed to the CDI
  *   spec group as a standard option) which can be used to provide delayed
  *   {@code BeanManager} access: to use this solution, the reference passed

```
 *         as the {@code BeanManager} during bootstrap should
be typed as
 *         {@link org.hibernate.resource.beans.container.spi.ExtendedBeanManager}.
 *     <li> Delayed access to the {@code BeanManager} reference: here, Hibernate
 *         will not access the reference passed as the {@code BeanManager} during
 *         bootstrap until it is first needed. Note, however, that this has the
 *         effect of delaying the detection of any deployment problems until after
 *         bootstrapping.
 * </ol>
 *
 * This setting is used to configure access to the {@code BeanManager},
 * either directly, or via
 * {@link org.hibernate.resource.beans.container.spi.ExtendedBeanManager}.
 *
 * @see org.hibernate.boot.SessionFactoryBuilder#applyBeanManager(Object)
 */
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cfg/ManagedBeanSettings.java
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```
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* Checker Framework utilities
* Copyright 2004-present by the Checker Framework developers
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* THE SOFTWARE.
*/
```

Found in path(s):

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/util/NullnessUtil.java
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```
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*/
// public DomainResult createDomainResult(
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmLiteralEntityType.java
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```
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*/
/*
* 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
*
* Modified for https://jira.jboss.org/jira/browse/ISPN-299
* 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
* {@code Hashtable}. 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 {@code Hashtable} in programs that rely on its
* thread safety but not on its synchronization details.
* <p>
* <p> Retrieval operations (including {@code get}) generally do not
* block, so may overlap with update operations (including
* {@code put} and {@code remove}). Retrievals reflect the results
* of the most recently <em>completed</em> update operations holding
* upon their onset.  For aggregate operations such as {@code putAll}
```

```
* and {@code 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 <em>not</em> 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 {@code concurrencyLevel} constructor argument
* (default {@code 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
* <em>optional</em> 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>
* <p> Like {@link java.util.Hashtable} but unlike {@link HashMap}, this class
* does <em>not</em> allow {@code null} to be used as a key or value.
*
* @param <K> the type of keys maintained by this map
* @param <V> the type of mapped values
*
* @author Doug Lea
*/
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/util/collections/BoundedConcurrentHashMap.java

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*/
/**
 * Read/write access to the shared second-level cache using
 * soft locks.
 * <p>
 * Indicates a non-vanishing likelihood that two concurrent
 * transactions attempt to update the same item of data
 * simultaneously. This strategy uses "soft" locks to prevent
 * concurrent transactions from retrieving or storing a stale
 * item from or in the cache during the transaction completion
 * process. A soft lock is simply a marker entry placed in the
 * cache while the updating transaction completes.
 * <ul>
 * <li>A second transaction may not read the item from the
 *     cache while the soft lock is present, and instead
 *     simply proceeds to read the item directly from
the
 *     database, exactly as if a regular cache miss had
 *     occurred.
 * <li>Similarly, the soft lock also prevents this second
 *     transaction from storing a stale item to the cache
 *     when it returns from its round trip to the database
 *     with something that might not quite be the latest
 *     version.
 * </ul>
 * <p>
 * This concurrency strategy is not compatible with
 * serializable transaction isolation.
 *
 * @see AccessType#READ_WRITE
 */
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/annotations/CacheConcurrencyStrategy.java
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```

```
*/
/**
  * In {@linkplain jakarta.persistence.InheritanceType#SINGLE_TABLE single table}
  * inheritance, subclasses share a table with the root class by definition. But
  * for {@linkplain jakarta.persistence.InheritanceType#JOINED joined} or
  * {@linkplain jakarta.persistence.InheritanceType#TABLE_PER_CLASS union} mappings,
  * the subclasses are assumed to occupy distinct tables, and it's an error to map
  * two subclasses to the same table.
  * <p>
  * As a special exception to this, if a joined inheritance hierarchy defines an
  * explicit {@link jakarta.persistence.DiscriminatorColumn}, we tolerate table
  * duplication among the subclasses, but we must "force" the discriminator to

 * account for this. (See issue HHH-14526.)
  */
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/mapping/RootClass.java
No license file was found, but licenses were detected in source scan.

```
<!--
 ~ Hibernate, Relational Persistence for Idiomatic Java
 ~
 ~ License: GNU Lesser General Public License (LGPL), version 2.1 or later.
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 -->
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/xsd/mapping/mapping-3.1.0.xsd
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```
<!--
   Copyright (c) 2008, 2020 Oracle and/or its affiliates. All rights reserved.

   This program and the accompanying materials are made available under the
   terms of the Eclipse Public License v. 2.0 which is available at
   http://www.eclipse.org/legal/epl-2.0,
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   http://www.eclipse.org/org/documents/edl-v10.php.

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-->
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/orm_3_0.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/persistence_3_0.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/persistence_3_1.xsd

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*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later.
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*/
/*
* Written by Doug Lea with assistance from members of JCP JSR-166
* Expert Group and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/util/collections/ConcurrentReferenceHashMap.java
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/*
* Hibernate, Relational Persistence for Idiomatic Java
*
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*/
// "proprietary" methods is better (this class is "proprietary" too).

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/graph/EntityGraphs.java
No license file was found, but licenses were detected in source scan.

/*
* Hibernate, Relational Persistence for Idiomatic Java
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*/

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/spi/MetamodelImplementor.java
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*/
// It supports a proprietary operator

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/MariaDBSqlAstTranslator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/MySQLSqlAstTranslator.java
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```
#
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#
```

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/META-INF/services/jakarta.persistence.spi.PersistenceProvider
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```
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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<ul>
*     <li>WAS version</li>
*     <li>the WAS container in which Hibernate will be utilized</li>
* </ul>
* <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):
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/engine/transaction/jta/platform/internal/WebSphereExtendedJtaPlatform.java
No license file was found, but licenses were detected in source scan.

/*
* Hibernate, Relational Persistence for Idiomatic Java
*
* License: GNU Lesser General Public License (LGPL), version 2.1 or later
* See the lgpl.txt file in the root directory or http://www.gnu.org/licenses/lgpl-2.1.html
*/

Found in path(s):
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/AbstractDomainType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/expression/BinaryArithmeticExpression.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/FetchList.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/java/spi/CollectionJavaType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/OracleSqlAstTranslator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/predicate/SqmMemberOfPredicate.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/query/sqm/mutation/internal/cte/AbstractCteMutationHandler.java
*
 /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/dialect/function/array/PostgreSQLArrayConcatElementFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/jdbc/internal/AbstractJdbcValues.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/criteria/JpaSelectCriteria.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmTreatedListJoin.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/internal/LoaderSelectBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/cfg/internal/EntityDataCachingConfigImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/internal/AttributeContext.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/spi/QueryOptionsAdapter.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/DomainDataRegion.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmListJoin.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmPluralValuedSimplePath.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/internal/CompositeUserTypeJavaTypeWrapper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/spi/EmbeddableRepresentationStrategy.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/NamedQueryValidationException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/StrictJpaComplianceViolation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmAny.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/MySQLServerConfiguration.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/model/domain/internal/EmbeddableTypeImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/internal/QueryInterpretationCacheStandardImpl.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/MultiIdentifierLoadAccessImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/spi/EmbeddableInstantiator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/graph/internal/parse/PathQualifierType.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/mapping/internal/EmbeddedForeignKeyDescriptorSide.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/Fetchable.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/SqmExpressibleAccessor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/results/dynamic/AbstractFetchBuilderContainer.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/results/implicit/ImplicitFetchBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/spi/JdbcCallParameterExtractor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/CollectionClassification.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/from/TableGroup.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/NaturalIdLoadOptions.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/AbstractManagedType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/hql/internal/DomainPathPart.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/TypecheckUtil.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/graph/internal/parse/SubGraphGenerator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/spi/EntityHolder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/internal/SelectableMappingsImpl.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/type/internal/CustomMutabilityConvertedBasicTypeImpl.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/sql/results/graph/entity/internal/AbstractNonJoinedEntityFetch.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/internal/MapMember.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/SingleUniqueKeyEntityLoader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/ordering/ast/OrderingExpression.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/hql/LiteralConsumer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/internal/ModelPartResultMementoBasicImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/SetOperator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/SybaseSqlAstTranslator.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sql/spi/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/internal/RowTransformerStandardImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/internal/RowTransformerJpaTupleImpl.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/results/dynamic/DynamicFetchBuilderStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/internal/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/annotations/JdbcType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/ModeStatsModeEmulation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/SemanticQueryWalker.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/H2ArrayToStringFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/SqmCriteriaNodeBuilder.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/collection/spi/BagSemantics.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/collection/internal/MapInitializer.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/sql/results/internal/RowTransformerSingularReturnImpl.java
*
/hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sql/internal/NativeQueryImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/support/AbstractReadWriteAccess.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/H2ArrayReplaceFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/CoalesceIfnullEmulation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/NaturalIdMultiLoadAccess.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/internal/AnyKeyPart.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/QueryResultsCache.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/criteria/JpaCteCriteria.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/expression/SqmAggregateFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/sql/internal/AbstractSqmPathInterpretation.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/spi/RuntimeMetamodelsImplementor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/entry/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/IdentifiableDomainType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/event/spi/CallbackType.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/query/sqm/spi/DelegatingSqmSelectionQueryImplementor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/SqlAstTranslatorFactory.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/java/ClockHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metadata/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmTreatedEntityJoin.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/sql/results/graph/embeddable/internal/NonAggregatedIdentifierMappingInitializer.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/resource/beans/container/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/ordering/ast/ParseTreeVisitor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/support/EntityReadOnlyAccess.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/InsertSubstringOverlayEmulation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/internal/StandardTimestampsCacheFactory.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/Initializer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/spi/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/DB2FormatEmulation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/JpaComplianceViolation.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/criteria/JpaCteContainer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/from/SqmFromClauseContainer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/KeyedResult.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/mapping/internal/GeneratedValuesProcessor.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/dialect/function/array/OracleArrayConcatElementFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/persister/spi/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/expression/ColumnReference.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/ArrayContainsUnnestFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/id/factory/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/hql/internal/SqmPathRegistryImpl.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/temptable/TemporaryTableHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/ParameterMetadata.java
* /hibernate-core-6-6-22-final-sources-
jar/org/hibernate/metamodel/model/domain/internal/MappedSuperclassSqmPathSource.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/select/SqmAliasedExpressionContainer.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/spi/JdbcMutationExecutor.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/resource/jdbc/internal/EmptyStatementInspector.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/engine/spi/Resolution.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/InitializerProducer.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/instantiation/DynamicInstantiationResult.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/cache/spi/access/UnknownAccessTypeException.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/expression/Format.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/ordering/ast/PathResolutionException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/SqlExpressible.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmTreatedPluralPartJoin.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sql/NativeQueryLogging.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/SqmTreeTransformationLogger.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/mutation/internal/temptable/UpdateExecutionDelegate.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/AbstractMutationStatement.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/domain/SqmSimplePath.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/AbstractArrayFillFunction.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sql/internal/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/QuantifiedLeastGreatestEmulation.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/exec/internal/JdbcCallParameterExtractorImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/java/spi/PrimitiveJavaType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/instantiation/internal/DynamicInstantiationAssemblerInjectionImpl.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/MappingModelCreationLogging.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/H2ArrayIncludesFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/ArrayIntersectsUnnestFunction.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/EmbeddableDomainType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/SqmDeleteOrUpdateStatement.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/identity/MariaDBIdentityColumnSupport.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/tree/from/SqmJoin.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/internal/InverseNonAggregatedIdentifierMapping.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/model/process/internal/NamedConverterResolution.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/model/domain/TupleType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/java/CoercionException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/results/complete/ModelPartReferenceCollection.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/graph/internal/RootGraphImpl.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/SimpleInsertQueryPlan.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/boot/spi/AbstractNamedQueryDefinition.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/converter/spi/BasicValueConverter.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/JavaObjectType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/internal/EmbeddableHelper.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/dialect/function/array/AbstractArrayContainsFunction.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/results/graph/collection/internal/CollectionFetch.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/from/DelegatingTableGroup.java

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/bytecode/enhance/spi/interceptor/AbstractLazyLoadInterceptor.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/MultiTableDeleteQueryPlan.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/tool/schema/spi/ContributableMatcher.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/resource/beans/container/internal/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/mapping/ordering/ast/OrderingSpecification.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/event/spi/Callback.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/type/descriptor/java/spi/MapEntryJavaType.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/metamodel/internal/EmbeddableInstantiatorRecordStandard.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/graph/CannotContainSubGraphException.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/resource/jdbc/internal/package-info.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/sql/ast/tree/from/CollectionTableGroup.java
*
 /hibernate-core-6-6-22-final-sources-jar/org/hibernate/loader/ast/spi/Loader.java
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/query/sqm/internal/ParameterCollector.java
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```
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*/
/**
  * Must do the following:
  * <ol>
  *     <li>
  *         obtain a {@link ResultSet} containing a row for any existing
  *         catalog/schema/table/column combination as specified by the
  *         {@code catalog}, {@code schemaPattern}, {@code tableNamePattern},
  *         and {@code columnNamePattern} parameters described below.
```

```
 *       The {@link ResultSet} must contain the following, consistent with the
 *       corresponding columns returned by {@link DatabaseMetaData#getColumns}
 *       <ul>
 *          <li>column label {@link #getResultSetTableNameLabel} for table name</li>
 *          <li>column label {@link #getResultSetColumnNameLabel} for column
name</li>
 *          <li>column label {@link #getResultSetSqlTypeCodeLabel} SQL type code from java.sql.Types</li>
 *          <li>column label {@link #getResultSetTypeNameLabel} for database column type name</li>
 *          <li>column label {@link #getResultSetColumnSizeLabel} for column size</li>
 *          <li>column label {@link #getResultSetDecimalDigitsLabel} for number of fractional digits</li>
 *          <li>column label {@link #getResultSetIsNullableLabel} for nullability</li>
 *       </ul>
 *       Rows must be ordered by catalog, schema, table name, and column position.
 *    </li>
 *    <li> execute {@code processor.process( resultSet )};</li>
 *    <li>
 *       release resources whether {@code processor.process( resultSet )}
 *       executes successfully or not.
 *    </li>
 * </ol>
 * <p>
 * The {@code catalog}, {@code schemaPattern}, {@code tableNamePattern},
 * and {@code columnNamePattern} parameters are as
 * specified
by {@link DatabaseMetaData#getColumns(String, String, String, String)},
 * and are copied here:
 * <p>
 * @param catalog – a catalog name; must match the catalog name as it is
 *                stored in the database; "" retrieves those without
 *                a catalog; null means that the catalog name should
 *                not be used to narrow the search
 * @param schemaPattern – a schema name pattern; must match the schema
 *                    name as it is stored in the database; ""
 *                    retrieves those without a schema; null means
 *                    that the schema name should not be used to
 *                    narrow the search
 * @param tableNamePattern – a table name pattern; must match the table
 *                      name as it is stored in the database
 * @param columnNamePattern – a column name pattern; must match the
 *                       column name as it is stored in the database

 * @param processor - the provided ResultSetProcessor.
 * @param <T> - defined by {@code processor}
 * @return - defined by {@code processor}
 * @throws SQLException - if a database error occurs
 */
```

Found in path(s):

* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/tool/schema/extract/internal/AbstractInformationExtractorImpl.java
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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/orm_2_1.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/orm_2_0.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/persistence_2_0.xsd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/hibernate-configuration-4.0.xsd
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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/jpa/persistence_2_1.xsd
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*/
/**
  * Does this dialect support the SQL {@code lateral} keyword or a
  * proprietary alternative?
  *
  * @return {@code true} if the underlying database supports lateral,
  * {@code false} otherwise. The default is {@code false}.
  */

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* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/hibernate-mapping-3.0.dtd
* /hibernate-core-6-6-22-final-sources-jar/org/hibernate/hibernate-configuration-3.0.dtd

1.706 spring-boot-autoconfigure 3.5.4

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1.708 spring-boot-starter 3.5.4

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* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/util/internal/logging/AbstractInternalLogger.java
* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/util/internal/logging/InternalLogLevel.java
* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/util/internal/logging/JdkLoggerFactory.java
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* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/annotation/package-info.java
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* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/lang/package-info.java
* /micrometer-commons-1-15-2-sources-jar/io/micrometer/common/util/package-info.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/util/NamedThreadFactory.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/logging/LoggingRegistryConfig.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/push/PushMeterRegistry.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/StrongReferenceGaugeFunction.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/MultiGauge.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/push/PushRegistryConfig.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/logging/LoggingMeterRegistry.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/ipc/http/HttpUrlConnectionSender.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/util/internal/logging/JdkLoggerFactory.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/config/validate/InvalidReason.java
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/micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/config/MeterRegistryConfigValidator.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/step/StepMeter.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/FunctionCounter.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/distribution/HistogramGauges.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jetty/InstrumentedQueuedThreadPool.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jvm/JvmThreadDeadlockMetrics.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/aop/MeterTags.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/commonspool2/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/ApacheHttpClientObservationConvention.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/ObservationApplicationEventListener.java
*
 /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/okhttp3/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/db/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/JerseyContext.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/kafka/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/lang/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/ApacheHttpClientContext.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/http/HttpJakartaServletRequestTagsProvider.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jetty/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/http/DefaultHttpJakartaServletRequestTagsProvider.java
*
 /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/JerseyObservationConvention.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/annotation/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/JerseyObservationDocumentation.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/config/validate/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/mongodb/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/observation/MeterObservationHandler.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/DefaultApacheHttpClientObservationConvention.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/system/package-info.java
*
 /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/logging/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/docs/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/DefaultJerseyObservationConvention.java

* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/JerseyKeyValues.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/http/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jpa/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/tomcat/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jersey/server/ObservationRequestEventListener.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/jvm/package-info.java
*
/micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/httpcomponents/ApacheHttpClientObservationDocumentation.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/HighCardinalityTagsDetector.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/binder/hystrix/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/kotlin/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/aop/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/observation/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/ipc/http/package-info.java
* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/observation/ObservationOrTimerCompatibleInstrumentation.java
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* /micrometer-core-1-15-2-sources-jar/io/micrometer/core/instrument/internal/OnlyOnceLoggingDenyMeterFilter.java

1.711 reactor-core 3.7.8

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* /reactor-core-3-7-8-sources-jar/reactor/util/annotation/NonNullApi.java
* /reactor-core-3-7-8-sources-jar/reactor/util/annotation/NonNull.java
* /reactor-core-3-7-8-sources-jar/reactor/util/annotation/Nullable.java
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Found in path(s):
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCacheInvalidateIf.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCacheInvalidateWhen.java
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Found in path(s):
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkManyUnicastNoBackpressure.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkEmptyMulticast.java
* /reactor-core-3-7-8-sources-jar/reactor/util/retry/RetrySpec.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxConcatMapNoPrefetch.java
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* /reactor-core-3-7-8-sources-jar/reactor/util/context/ContextView.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinksSpecs.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Sinks.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoExpand.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/EmptyCompositeDisposable.java

* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/StrictSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/Disposables.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/InstantPeriodicWorkerTask.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDelaySequence.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/OperatorDisposables.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxLimitRequest.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/WorkerTask.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnBackpressureBufferTimeout.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCacheTime.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/PeriodicWorkerTask.java
* /reactor-core-3-7-8-sources-jar/reactor/util/concurrent/Queues.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/PeriodicSchedulerTask.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/SchedulerTask.java
* /reactor-core-3-7-8-sources-jar/reactor/core/CoreSubscriber.java
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```
/**
  * Repeatedly subscribe to this {@link Flux} when a companion sequence emits elements in
  * response to the flux completion signal. Any terminal signal from the companion
  * sequence will terminate the resulting {@link Flux} with the same signal immediately.
  * <p>If the companion
 sequence signals when this {@link Flux} is active, the repeat
  * attempt is suppressed.
  * <p>
  * <img class="marble" src="doc-files/marbles/repeatWhenForFlux.svg" alt="">
  * <p>
  * Note that if the companion {@link Publisher} created by the {@code repeatFactory}
  * emits {@link Context} as trigger objects, these {@link Context} will be merged with
  * the previous Context:
  * <pre><code>
  * .repeatWhen(emittedEachAttempt -> emittedEachAttempt.handle((lastEmitted, sink) -> {
  *      Context ctx = sink.currentContext();
```

```
 *      int rl = ctx.getOrDefault("repeatsLeft", 0);
 *      if (rl > 0) {
 *      sink.next(Context.of(
 *          "repeatsLeft", rl - 1,
 *          "emitted", lastEmitted
 *      ));
 *      } else {
 *          sink.error(new IllegalStateException("repeats exhausted"));
 *      }
 * }))
 * </code></pre>
 *
 * @param repeatFactory the {@link Function} that returns the associated {@link Publisher}
 * companion, given a {@link Flux} that signals
each onComplete as a {@link Long}
 * representing the number of source elements emitted in the latest attempt.
 *
 * @return a {@link Flux} that repeats on onComplete when the companion {@link Publisher} produces an
 * onNext signal
 */
```

Found in path(s):
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Flux.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxExpand.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFilterWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxWindowTimeout.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoPublishMulticast.java
*

/reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDelayUntil.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoWhen.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ContextTrackingFunctionWrapper.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxGroupBy.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxArray.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelConcatMap.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelMergeSequential.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingMonoSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSubscribeOnCallable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxWithLatestFrom.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxConcatMap.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTakeUntilOther.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelGroup.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxCallable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxWindowWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxRetryWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkOneMulticast.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InnerProducer.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDefer.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelMergeSort.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxHandleFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelFlatMap.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxStream.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxErrorOnRequest.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxWindowPredicate.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelFilter.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InternalMonoOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxBufferWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxZip.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSubscribeOnValue.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDeferContextual.java
*

/reactor-core-3-7-8-sources-jar/reactor/core/scheduler/ExecutorScheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDelaySubscription.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoContextWriteRestoringThreadLocals.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelFluxHide.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingIterable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMerge.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCallable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelReduceSeed.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTimeout.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSingleOptional.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxPublishMulticast.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoIgnorePublisher.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelSource.java
*
/reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelFluxName.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDefer.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkManyReplayProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxErrorSupplied.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFlatMap.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkManyUnicast.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelCollect.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxNever.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InternalFluxOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSourceFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxCreate.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxPublishOn.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoErrorSupplied.java
*
/reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDelayElement.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxBufferBoundary.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoZip.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSample.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFirstWithValue.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSkipUntilOther.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMergeSequential.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCurrentContext.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDelaySubscription.java
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/reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFirstWithSignal.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableFluxOnAssembly.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoHandle.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSingleCallable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSwitchIfEmpty.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSubscribeOnCallable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSwitchIfEmpty.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnErrorResume.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoTimeout.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFlattenIterable.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFromPublisher.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxConcatIterable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSampleFirst.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFromFluxOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoTakeUntilOther.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableFluxHide.java

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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingFirstSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSingleOptionalCallable.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelMap.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/package-info.java
* /reactor-core-3-7-8-sources-jar/reactor/util/package-info.java
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 /reactor-core-3-7-8-sources-jar/reactor/util/concurrent/package-info.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxAutoConnectFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/Scheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingSingleSubscriber.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxLiftFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingOptionalMonoSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxAutoConnect.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableLift.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelLiftFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxRefCount.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableLiftFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelLift.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SynchronousSink.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxConcatArray.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/GroupedLift.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxGenerate.java
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/reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxPublish.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxReplay.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoLift.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxContextWriteRestoringThreadLocals.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoLiftFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxBufferTimeout.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InternalConnectableFluxOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxBuffer.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxLift.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableFlux.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/GroupedFlux.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/ExecutorServiceWorker.java
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/reactor-core-3-7-8-sources-jar/reactor/core/publisher/InnerOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnBackpressureBufferStrategy.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ContextHolder.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTapFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ContextPropagation.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InternalProducerAttr.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/BoundedElasticThreadPerTaskScheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/BoundedElasticSchedulerSupplier.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ParallelFluxRestoringThreadLocals.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkEmptySerialized.java
* /reactor-core-3-7-8-sources-jar/reactor/util/retry/ImmutableRetrySignal.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Timed.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InternalOneSink.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkManySerialized.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTimed.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoJust.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BlockingLastSubscriber.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxJust.java
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* /reactor-core-3-7-8-sources-jar/reactor/util/context/Context3.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Hooks.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoTakeLastOne.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Mono.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoReduce.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/ParallelScheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/util/Loggers.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Operators.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/Schedulers.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/SingleScheduler.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMergeComparing.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxUsingWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoUsingWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/VirtualThreadFactory.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/ReactorThreadFactory.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/OnNextFailureStrategy.java
* /reactor-core-3-7-8-sources-jar/reactor/util/concurrent/MpscLinkedQueue.java
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* /reactor-core-3-7-8-sources-jar/reactor/util/retry/RetryBackoffSpec.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SinkManyBestEffort.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoOnErrorReturn.java
* /reactor-core-3-7-8-sources-jar/reactor/core/observability/SignalListenerFactory.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/SchedulerState.java
* /reactor-core-3-7-8-sources-jar/reactor/core/observability/DefaultSignalListener.java
*
 /reactor-core-3-7-8-sources-jar/reactor/util/context/ReactorContextAccessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/observability/SignalListener.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnErrorReturn.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Traces.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMetrics.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSwitchOnFirst.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDematerialize.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxRepeat.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDoOnEach.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoPublishOn.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxRepeatPredicate.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxHide.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoOnErrorResume.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoBridges.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFilter.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/DrainUtils.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoRepeat.java
* /reactor-core-3-7-8-sources-jar/reactor/core/Fuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoOnAssembly.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuples.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple8.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxPeek.java
* /reactor-core-3-7-8-sources-jar/reactor/util/concurrent/SpscLinkedArrayQueue.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTakeWhile.java
*
 /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple6.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDematerialize.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnBackpressureLatest.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxPeekFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTake.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCallableOnAssembly.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple5.java
* /reactor-core-3-7-8-sources-jar/reactor/core/CorePublisher.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple2.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoLogFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFilter.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxIndex.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoHide.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDetach.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxContextWrite.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxLog.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxLogFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/InnerConsumer.java

* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSourceFlux.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoPeek.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDoOnEachFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMaterialize.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoElapsed.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTakeFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDoFirstFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoRetry.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTakeLast.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxFilterFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSingle.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDoFirst.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/LambdaSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCancelOn.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/NonBlocking.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSkip.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDetach.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoMap.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple7.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoIgnoreElement.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoContextWrite.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSourceMonoFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoPeekFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoToCompletableFuture.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxScan.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDoFirst.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSkipLast.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoLog.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxBufferPredicate.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxTakeLastOne.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoRepeatPredicate.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoMaterialize.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxCancelOn.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSourceFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSourceMono.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoNext.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSingleMono.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnAssembly.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxZipIterable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/BaseSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/LambdaMonoSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSourceFluxFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SignalType.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDistinctFuseable.java

* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDistinct.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxScanSeed.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoSubscribeOn.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SerializedSubscriber.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/SingleWorkerScheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFilterFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/OptimizableOperator.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoRepeatWhen.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDistinctUntilChanged.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDefaultIfEmpty.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSkipWhile.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ImmutableSignal.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/SignalPeek.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSubscribeOn.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoTimed.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoMapFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxOnBackpressureDrop.java
* /reactor-core-3-7-8-sources-jar/reactor/util/Logger.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple3.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDoFirstFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoIgnoreElements.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxElapsed.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDoOnEachFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxSkipUntil.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxIndexFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/util/function/Tuple4.java
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* /reactor-core-3-7-8-sources-jar/reactor/util/annotation/Incubating.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ConnectableFluxRestoringThreadLocals.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxRefCountGrace.java
* /reactor-core-3-7-8-sources-jar/reactor/core/Scannable.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoElementAt.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDoFinally.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCollect.java
*
 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxWindow.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoPeekTerminal.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoStreamCollector.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/UnicastProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoAny.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMapSignal.java
* /reactor-core-3-7-8-sources-jar/reactor/util/Metrics.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCount.java
* /reactor-core-3-7-8-sources-jar/reactor/core/scheduler/ImmediateScheduler.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxNameFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoAll.java
* /reactor-core-3-7-8-sources-jar/reactor/util/concurrent/SpscArrayQueue.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDoOnEach.java
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 /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMapFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoCollectList.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoNameFuseable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/DelegateProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoReduceSeed.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxDefaultIfEmpty.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoName.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/NextProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoDoFinally.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/DirectInnerContainer.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxName.java
*

/reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoFlattenIterable.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoHasElement.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/ReplayProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/EmitterProcessor.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoHasElements.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/Signal.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMap.java
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* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoMetrics.java
* /reactor-core-3-7-8-sources-jar/reactor/core/publisher/MonoMetricsFuseable.java
*
/reactor-core-3-7-8-sources-jar/reactor/core/publisher/FluxMetricsFuseable.java

1.712 google-auth-library-credentials 1.35.0

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1.713 reactor-netty-core 1.2.8

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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpClientConnect.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/TcpClientConnect.java
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 /reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/SslProvider.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/transport/ClientTransport.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/transport/NameResolverProvider.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/transport/logging/ReactorNettyLoggingHandler.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/resources/package-info.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/package-info.java
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/reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/package-info.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/transport/HostnameResolutionSpans.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/contextpropagation/ChannelContextAccessor.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/contextpropagation/package-info.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/resources/DefaultLoopNativeDetector.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpOperations.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/ByteBufFlux.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/NettyInbound.java
*
 /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/AbortedException.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpConnection.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/Connection.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/ByteBufMono.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/FutureMono.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/MicrometerChannelMetricsRecorder.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/Metrics.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/MonoSend.java
*

/reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/ChannelMetricsRecorder.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/ChannelOperations.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/ReactorNetty.java
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/reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/TcpResources.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/AbstractChannelMetricsHandler.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/ContextAwareChannelMetricsHandler.java

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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpClient.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/ChannelOperationsHandler.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/resources/DefaultLoopResources.java
*
 /reactor-netty-core-1-2-8-sources-jar/reactor/netty/channel/FluxReceive.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/TcpServer.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpServer.java

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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/transport/ServerTransport.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/TcpClientConfig.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpServerConfig.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/tcp/SniProvider.java
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* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/udp/UdpResources.java
* /reactor-netty-core-1-2-8-sources-jar/reactor/netty/DisposableChannel.java
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1.714 netty-resolver-dns-classes-macos 4.1.123.Final

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* /netty-resolver-dns-classes-macos-4-1-123-final-sources-jar/io/netty/resolver/dns/macos/package-info.java
* /netty-resolver-dns-classes-macos-4-1-123-final-sources-jar/io/netty/resolver/dns/macos/DnsResolver.java
* /netty-resolver-dns-classes-macos-4-1-123-final-sources-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
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1.715 reactor-netty-http 1.2.8

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* /reactor-netty-http-1-2-8-sources-
jar/reactor/netty/http/observability/ReactorNettyPropagatingSenderTracingObservationHandler.java
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/reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/client/Http2AllocationStrategy.java
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* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/IdleTimeoutHandler.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/client/HttpClientObservations.java

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* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/BrotliOption.java
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 /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/GzipOption.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/DeflateOption.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/Http2WebsocketServerOperations.java
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* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/HttpCompressionOption.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/ZstdOption.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/compression/SnappyOption.java
* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/client/HttpDelegatingConnectionPoolMetrics.java
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* /reactor-netty-http-1-2-8-sources-jar/reactor/netty/http/server/HttpServerOperations.java
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1.716 spring-aspects 6.2.9

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* /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/oauth2/ExecutableHandler.java
* /google-auth-library-oauth2-http-1-35-0-sources-
jar/com/google/auth/oauth2/ExternalAccountAuthorizedUserCredentials.java
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 /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/oauth2/PluggableAuthException.java
* /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/oauth2/GoogleAuthException.java
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jar/com/google/auth/oauth2/ServiceAccountJwtAccessCredentials.java
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* /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/http/AuthHttpConstants.java
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 /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/http/HttpCredentialsAdapter.java
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 /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/oauth2/IdTokenProvider.java
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/**
   * Sets the optional workforce pool user project number when the credential corresponds to a
   * workforce pool and not a workload identity pool. The underlying principal must still have
   * serviceusage.services.use IAM permission to use the project for billing/quota.
   *
   * @param workforcePoolUserProject the workforce pool user project number to set
   * @return this
 {@code Builder} object
   */
```

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* /google-auth-library-oauth2-http-1-35-0-sources-jar/com/google/auth/oauth2/StsRequestHandler.java
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1.719 dynamodb 2.22.13

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* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsResolveContext.java
*
/netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java
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* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java
*
 /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsNameResolverException.java
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* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/NoopDnsCnameCache.java
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 /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java
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* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/Cache.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java
* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsAddressDecoder.java
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* /netty-resolver-dns-4-1-123-final-sources-jar/io/netty/resolver/dns/DnsNameResolverChannelStrategy.java
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1.723 netty-transport-classes-kqueue 4.1.123.Final

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1.724 netty-transport-classes-epoll 4.1.123.Final

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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.

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* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollEventLoop.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
*
 /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/package-info.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/Epoll.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollChannelOption.java

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* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollMode.java
*
 /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java
* /netty-transport-classes-epoll-4-1-123-final-sources-
jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java

* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java
* /netty-transport-classes-epoll-4-1-123-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
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*/
/**
    * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
    * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
    * Allowing them being read would mean anyone with access to the channel could get them.

   */
/**
    * Set the {@code TCP_QUICKACK} option on the socket.
    * See <a href="https://linux.die.net//man/7/tcp">TCP_QUICKACK</a>
    * for more details.
    */
```

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1.725 jackson-datatype-joda 2.19.2

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1.726 hikaricp 6.3.1

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* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/dropwizard/CodaHaleMetricsTracker.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/HikariPool.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/MetricsTrackerFactory.java
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* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/dropwizard/CodahaleMetricsTrackerFactory.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/HikariDataSource.java
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/hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/util/UtilityElf.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusHistogramMetricsTracker.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/HikariConfigMXBean.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/hibernate/HikariConnectionProvider.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/prometheus/PrometheusMetricsTracker.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyStatement.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/util/PropertyElf.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/HikariPoolMXBean.java
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* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyDatabaseMetaData.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyResultSet.java
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 /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/prometheus/HikariCPCollector.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/util/JavassistProxyFactory.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/dropwizard/Dropwizard5MetricsTracker.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyConnection.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyLeakTaskFactory.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyLeakTask.java
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* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/util/ConcurrentBag.java
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* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/pool/ProxyFactory.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/metrics/dropwizard/Dropwizard5MetricsTrackerFactory.java
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 /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/HikariConfig.java
* /hikaricp-6-3-1-sources-jar/com/zaxxer/hikari/util/FastList.java
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1.727 grpc-gcp-csm-observability 1.73.0

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1.728 grpc-xds 1.73.0

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public com.google.protobuf.Duration getSlowStartWindow() {
public com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder() {
output.writeMessage(1, getSlowStartWindow());
.computeMessageSize(1, getSlowStartWindow());
if (!getSlowStartWindow()
.equals(other.getSlowStartWindow())) return false;
hash = (53 * hash) + getSlowStartWindow().hashCode();
getSlowStartWindowFieldBuilder();
mergeSlowStartWindow(other.getSlowStartWindow());
getSlowStartWindowFieldBuilder().getBuilder(),
public com.google.protobuf.Duration getSlowStartWindow() {
public Builder setSlowStartWindow(com.google.protobuf.Duration value) {
public Builder setSlowStartWindow(
getSlowStartWindowBuilder().mergeFrom(value);
public com.google.protobuf.Duration.Builder getSlowStartWindowBuilder() {
return getSlowStartWindowFieldBuilder().getBuilder();
public com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder() {
getSlowStartWindowFieldBuilder()
 {
getSlowStartWindow(),

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java.util.List<dev.cel.expr.SourceInfo.Extension.Component> getAffectedComponentsList();
public java.util.List<dev.cel.expr.SourceInfo.Extension.Component> getAffectedComponentsList() {
if (getAffectedComponentsList().size() > 0) {
if (!getAffectedComponentsList().isEmpty()) { size += 1;
public java.util.List<dev.cel.expr.SourceInfo.Extension.Component> getAffectedComponentsList() {
getLineOffsetsList() {
if (getLineOffsetsList().size() > 0) {
if (!getLineOffsetsList().isEmpty()) {
if (!getLineOffsetsList()
.equals(other.getLineOffsetsList())) return false;
hash = (53 * hash) + getLineOffsetsList().hashCode();
getLineOffsetsList() {

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* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsTransportFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsClientPoolFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsDependencyManager.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsClientMetricReporter.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/MessagePrettyPrinter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/InternalGrpcBootstrapperImpl.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/LazyLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/GrpcXdsTransportFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/MetadataRegistry.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsConfig.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/StructOrError.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/ProtobufJsonConverter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsClientMetricReporterImpl.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/InternalXdsAttributes.java
No license file was found, but licenses were detected in source scan.

```
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.StaticSecret> getStaticSecretsList() {
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.DynamicSecret>
getDynamicActiveSecretsList() {
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.DynamicSecret>
getDynamicWarmingSecretsList() {
if (!getStaticSecretsList()
.equals(other.getStaticSecretsList())) return false;
if (!getDynamicActiveSecretsList()
.equals(other.getDynamicActiveSecretsList())) return false;
if (!getDynamicWarmingSecretsList()
.equals(other.getDynamicWarmingSecretsList())) return false;
```

```
hash = (53 * hash) + getStaticSecretsList().hashCode();
hash = (53 * hash) + getDynamicActiveSecretsList().hashCode();
hash = (53 * hash) + getDynamicWarmingSecretsList().hashCode();
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.StaticSecret> getStaticSecretsList() {
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.DynamicSecret>
 getDynamicActiveSecretsList() {
public java.util.List<io.envoyproxy.envoy.admin.v3.SecretsConfigDump.DynamicSecret>
getDynamicWarmingSecretsList() {
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/admin/v3/SecretsConfigDump.java
No license file was found, but licenses were detected in source scan.

```
io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig getSlowStartConfig();
io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfigOrBuilder
getSlowStartConfigOrBuilder();
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/load_balancing_policies/round_robin/v3/RoundRobinOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/load_balancing_policies/least_request/v3/LeastRequestOrBuilder.java
No license file was found, but licenses were detected in source scan.

```
/**
  * <pre>
  * If true, the filter is disabled in the route or virtual host and the ``config`` field is ignored.
  * See :ref:`route based filter chain &amp;lt;arch_overview_http_filters_route_based_filter_chain&amp;gt;`
  * for more details.
  *
  * .. note::
  *
  *   This field will take effect when the request arrive and filter chain is created for the request.
  *   If initial route is selected for the request and a filter is disabled in the initial route, then
  *   the filter will not be added to the filter chain.
  *   And if the request is mutated later and re-match to another route, the disabled filter by the
  *   initial route will not be added back to the filter chain because the filter chain is already
  *   created and it is too late to change the chain.
  *
  *   This field only make sense for the downstream HTTP filters for now.
  * </pre>
  *
  * <code>bool disabled = 3;</code>
  * @return
 The disabled.
  */
```

Found in path(s):

* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/FilterConfigOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/FilterConfig.java
No license file was found, but licenses were detected in source scan.

public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig getSlowStartConfig()
{
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfigOrBuilder
getSlowStartConfigOrBuilder() {
output.writeMessage(3, getSlowStartConfig());
.computeMessageSize(3, getSlowStartConfig());
if (!getSlowStartConfig()
.equals(other.getSlowStartConfig())) return false;
hash = (53 * hash) + getSlowStartConfig().hashCode();
getSlowStartConfigFieldBuilder();
mergeSlowStartConfig(other.getSlowStartConfig());
getSlowStartConfigFieldBuilder().getBuilder(),
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig getSlowStartConfig()
{
public Builder
setSlowStartConfig(io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig value) {
public Builder setSlowStartConfig(
getSlowStartConfigBuilder().mergeFrom(value);
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig.Builder
 getSlowStartConfigBuilder() {
return getSlowStartConfigFieldBuilder().getBuilder();
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfigOrBuilder
getSlowStartConfigOrBuilder() {
getSlowStartConfigFieldBuilder() {
getSlowStartConfig(),

Found in path(s):
* /grpc-xds-1-73-0-sources-
jar/io/envoyproxy/envoy/extensions/load_balancing_policies/least_request/v3/LeastRequest.java
No license file was found, but licenses were detected in source scan.

com.google.protobuf.Duration getSlowStartWindow();
com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder();
public com.google.protobuf.Duration getSlowStartWindow() {
public com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder() {
output.writeMessage(1, getSlowStartWindow());
.computeMessageSize(1, getSlowStartWindow());
if (!getSlowStartWindow()
.equals(other.getSlowStartWindow())) return false;
hash = (53 * hash) + getSlowStartWindow().hashCode();
getSlowStartWindowFieldBuilder();
mergeSlowStartWindow(other.getSlowStartWindow());
getSlowStartWindowFieldBuilder().getBuilder(),
public com.google.protobuf.Duration getSlowStartWindow() {

public Builder setSlowStartWindow(com.google.protobuf.Duration value) {
public Builder setSlowStartWindow(
getSlowStartWindowBuilder().mergeFrom(value);
public com.google.protobuf.Duration.Builder getSlowStartWindowBuilder() {
return getSlowStartWindowFieldBuilder().getBuilder();
public
 com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder() {
getSlowStartWindowFieldBuilder() {
getSlowStartWindow(),
io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig();
io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder();
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig() {
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder() {
output.writeMessage(1, getSlowStartConfig());
.computeMessageSize(1, getSlowStartConfig());
if (!getSlowStartConfig()
.equals(other.getSlowStartConfig())) return false;
hash = (53 * hash) + getSlowStartConfig().hashCode();
getSlowStartConfigFieldBuilder();
mergeSlowStartConfig(other.getSlowStartConfig());
getSlowStartConfigFieldBuilder().getBuilder(),
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig() {
public Builder
 setSlowStartConfig(io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig value) {
public Builder setSlowStartConfig(
getSlowStartConfigBuilder().mergeFrom(value);
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig.Builder getSlowStartConfigBuilder() {
return getSlowStartConfigFieldBuilder().getBuilder();
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder() {
getSlowStartConfigFieldBuilder() {
getSlowStartConfig(),
io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig();
io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder();
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig() {
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder() {
output.writeMessage(3, getSlowStartConfig());
.computeMessageSize(3, getSlowStartConfig());
if (!getSlowStartConfig()
.equals(other.getSlowStartConfig()))
 return false;
hash = (53 * hash) + getSlowStartConfig().hashCode();
getSlowStartConfigFieldBuilder();
mergeSlowStartConfig(other.getSlowStartConfig());
getSlowStartConfigFieldBuilder().getBuilder(),
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig getSlowStartConfig() {
public Builder setSlowStartConfig(io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig value) {
public Builder setSlowStartConfig(
getSlowStartConfigBuilder().mergeFrom(value);

public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfig.Builder getSlowStartConfigBuilder() {
return getSlowStartConfigFieldBuilder().getBuilder();
public io.envoyproxy.envoy.config.cluster.v3.Cluster.SlowStartConfigOrBuilder getSlowStartConfigOrBuilder() {
getSlowStartConfigFieldBuilder() {
getSlowStartConfig(),

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/cluster/v3/Cluster.java
No license file was found, but licenses were detected in source scan.

public java.util.List<io.envoyproxy.envoy.config.overload.v3.LoadShedPoint> getLoadshedPointsList() {
if (!getLoadshedPointsList()
.equals(other.getLoadshedPointsList())) return false;
hash = (53 * hash) + getLoadshedPointsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.overload.v3.LoadShedPoint> getLoadshedPointsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/overload/v3/OverloadManager.java
No license file was found, but licenses were detected in source scan.

getUpstreamLocalityStatsList();
getDroppedRequestsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/ClusterStatsOrBuilder.java
No license file was found, but licenses were detected in source scan.

getFragmentsList();
public java.util.List<io.envoyproxy.envoy.config.route.v3.ScopedRouteConfiguration.Key.Fragment>
getFragmentsList() {
if (!getFragmentsList()
.equals(other.getFragmentsList())) return false;
hash = (53 * hash) + getFragmentsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.route.v3.ScopedRouteConfiguration.Key.Fragment>
getFragmentsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/ScopedRouteConfiguration.java
No license file was found, but licenses were detected in source scan.

public java.util.List<io.envoyproxy.envoy.config.route.v3.RateLimit> getRateLimitsList() {
if (!getRateLimitsList()
.equals(other.getRateLimitsList())) return false;
hash = (53 * hash) + getRateLimitsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.route.v3.RateLimit> getRateLimitsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/RouteAction.java

* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/VirtualHost.java
No license file was found, but licenses were detected in source scan.

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* limitations under the License.
*/

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsNameResolverProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsAttributes.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/EnvoyProtoData.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/CdsLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/orca/OrcaPerRequestUtil.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/trust/XdsTrustManagerFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/ClientSslContextProviderFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/ServerSslContextProviderFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsServerBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/Bootstrapper.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/orca/OrcaMetricReportingServerInterceptor.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/SecurityProtocolNegotiators.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/trust/CertificateUtils.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/LoadReportClient.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/orca/OrcaOobUtil.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/CommonTlsContextUtil.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/TlsContextManagerImpl.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ThreadSafeRandom.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/SslContextProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/trust/XdsX509TrustManager.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/package-info.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsClient.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/ReferenceCountingMap.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsLbPolicies.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsNameResolver.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WeightedRandomPicker.java

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

```
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* limitations under the License.
*/
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterManagerLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WeightedTargetLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WeightedTargetLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/PriorityLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/FileWatcherCertificateProviderProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertificateProviderProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/PriorityLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterManagerLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/SslContextProviderSupplier.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/SharedXdsClientPoolProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertificateProviderStore.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertificateProviderRegistry.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertProviderSslContextProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsChannelCredentials.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertProviderServerSslContextProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/package-info.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/AddressFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterResolverLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsLogger.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/Closeable.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/SharedCallCounterMap.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/ReferenceCounted.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterImplLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/EnvoyServerProtoData.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertificateProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsInitializationException.java

* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/MessagePrinter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsServerCredentials.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/FileWatcherCertificateProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/TlsContextManager.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/DynamicSslContextProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/CdsLoadBalancer2.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterImplLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertProviderClientSslContextProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterResolverLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/ControlPlaneClient.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsClientImpl.java
No license file was found, but licenses were detected in source scan.

java.util.List<java.lang.Double> getBucketsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/metrics/v3/HistogramBucketSettingsOrBuilder.java
No license file was found, but licenses were detected in source scan.

getLoadshedPointsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/overload/v3/OverloadManagerOrBuilder.java
No license file was found, but licenses were detected in source scan.

getLineOffsetsList() {
if (getLineOffsetsList().size() > 0) {
if (!getLineOffsetsList().isEmpty()) {
if (!getLineOffsetsList()
.equals(other.getLineOffsetsList())) return false;
hash = (53 * hash) + getLineOffsetsList().hashCode();
getLineOffsetsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/com/google/api/expr/v1alpha1/SourceInfo.java
No license file was found, but licenses were detected in source scan.

public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig getSlowStartConfig()
{
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfigOrBuilder
getSlowStartConfigOrBuilder() {
output.writeMessage(1, getSlowStartConfig());
.computeMessageSize(1, getSlowStartConfig());
if (!getSlowStartConfig()
.equals(other.getSlowStartConfig())) return false;
hash = (53 * hash) + getSlowStartConfig().hashCode();
getSlowStartConfigFieldBuilder();

mergeSlowStartConfig(other.getSlowStartConfig());
getSlowStartConfigFieldBuilder().getBuilder(),
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig getSlowStartConfig()
{
public Builder
setSlowStartConfig(io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig value) {
public Builder setSlowStartConfig(
getSlowStartConfigBuilder().mergeFrom(value);
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfig.Builder
getSlowStartConfigBuilder() {
return getSlowStartConfigFieldBuilder().getBuilder();
public io.envoyproxy.envoy.extensions.load_balancing_policies.common.v3.SlowStartConfigOrBuilder
getSlowStartConfigOrBuilder() {
getSlowStartConfigFieldBuilder() {
getSlowStartConfig(),

Found in path(s):
* /grpc-xds-1-73-0-sources-
jar/io/envoyproxy/envoy/extensions/load_balancing_policies/round_robin/v3/RoundRobin.java
No license file was found, but licenses were detected in source scan.

getElementsList();
public java.util.List<dev.cel.expr.Expr> getElementsList() {
if (!getElementsList()
.equals(other.getElementsList())) return false;
hash = (53 * hash) + getElementsList().hashCode();
public java.util.List<dev.cel.expr.Expr> getElementsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/dev/cel/expr/Expr.java
No license file was found, but licenses were detected in source scan.

public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.ClusterStats> getClusterStatsList() {
if (!getClusterStatsList()
.equals(other.getClusterStatsList())) return false;
hash = (53 * hash) + getClusterStatsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.ClusterStats> getClusterStatsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/service/load_stats/v3/LoadStatsRequest.java
No license file was found, but licenses were detected in source scan.

getBucketsList() {
if (getBucketsList().size() > 0) {
dataSize = 8 * getBucketsList().size();
if (!getBucketsList().isEmpty()) {
if (!getBucketsList()
.equals(other.getBucketsList())) return false;

hash = (53 * hash) + getBucketsList().hashCode();
getBucketsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/metrics/v3/HistogramBucketSettings.java
No license file was found, but licenses were detected in source scan.

getElementsList();
public java.util.List<com.google.api.expr.v1alpha1.Expr> getElementsList() {
if (!getElementsList()
.equals(other.getElementsList())) return false;
hash = (53 * hash) + getElementsList().hashCode();
public java.util.List<com.google.api.expr.v1alpha1.Expr> getElementsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/com/google/api/expr/v1alpha1/Expr.java
No license file was found, but licenses were detected in source scan.

getLbEndpointsList();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LbEndpoint> getLbEndpointsList() {
if (!getLbEndpointsList()
.equals(other.getLbEndpointsList())) return false;
hash = (53 * hash) + getLbEndpointsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LbEndpoint> getLbEndpointsList() {
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LbEndpoint> getLbEndpointsList() {
if (!getLbEndpointsList()
.equals(other.getLbEndpointsList())) return false;
hash = (53 * hash) + getLbEndpointsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LbEndpoint> getLbEndpointsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/LocalityLbEndpoints.java
No license file was found, but licenses were detected in source scan.

getLoadMetricStatsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/UpstreamEndpointStatsOrBuilder.java
No license file was found, but licenses were detected in source scan.

getFragmentsList();
public
java.util.List<io.envoyproxy.envoy.extensions.filters.network.http_connection_manager.v3.ScopedRoutes.ScopeKeyBuilder.FragmentBuilder> getFragmentsList() {
if (!getFragmentsList()
.equals(other.getFragmentsList())) return false;
hash = (53 * hash) + getFragmentsList().hashCode();
public

java.util.List<io.envoyproxy.envoy.extensions.filters.network.http_connection_manager.v3.ScopedRoutes.ScopeKeyBuilder.FragmentBuilder> getFragmentsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/filters/network/http_connection_manager/v3/ScopedRoutes.java
No license file was found, but licenses were detected in source scan.

public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LocalityLbEndpoints> getEndpointsList() {
if (!getEndpointsList()
.equals(other.getEndpointsList())) return false;
hash = (53 * hash) + getEndpointsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.LocalityLbEndpoints> getEndpointsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/ClusterLoadAssignment.java
No license file was found, but licenses were detected in source scan.

getEndpointsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/ClusterLoadAssignmentOrBuilder.java
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Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertProviderClientSslContextProviderFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsRouteConfigureResource.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/InternalSharedXdsClientPoolProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WrrLocalityLoadBalancerProvider.java
*

/grpc-xds-1-73-0-sources-jar/io/grpc/xds/LoadBalancerConfigFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsListenerResource.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WrrLocalityLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsCredentialsProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsEndpointResource.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsCredentialsRegistry.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsClusterResource.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/XdsResourceType.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/TlsXdsCredentialsProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/GoogleDefaultXdsCredentialsProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/orca/OrcaServiceImpl.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/security/certprovider/CertProviderServerSslContextProviderFactory.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/InsecureXdsCredentialsProvider.java
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```
getRateLimitsList();
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/RouteActionOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/VirtualHostOrBuilder.java
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```
/**
   * <pre>
   * The maximum number of connection pools per cluster that Envoy will concurrently support at
   * once. If not specified, the default is unlimited. Set this for clusters which create a
   * large number of connection pools. See
   * :ref:`Circuit Breaking &amp;lt;arch_overview_circuit_break_cluster_maximum_connection_pools&amp;gt;` for
   * more details.
   * </pre>
   *
   * <code>.google.protobuf.UInt32Value max_connection_pools = 7;</code>
   * @return Whether the maxConnectionPools field is set.
   */
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/cluster/v3/CircuitBreakers.java
No license file was found, but licenses were detected in source scan.

```
/**
  * <pre>
  * If set, Envoy will avoid incrementing HTTP failure code stats
  * on gRPC requests. This includes the individual status code value
  * (e.g. upstream_rq_504) and group stats (e.g. upstream_rq_5xx).
  * This field is useful if interested in relying only on the gRPC
  * stats filter to define success and failure metrics for gRPC requests
  * as not all failed gRPC requests charge HTTP status code metrics. See
```

```
 * :ref:`gRPC stats filter&lt;config_http_filters_grpc_stats&gt;` documentation
 * for more details.
 * </pre>
 *
 * <code>bool suppress_grpc_request_failure_code_stats = 7;</code>
 * @return The suppressGrpcRequestFailureCodeStats.
 */
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/filters/http/router/v3/RouterOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/filters/http/router/v3/Router.java
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Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WeightedRoundRobinLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/WeightedRoundRobinLoadBalancer.java
No license file was found, but licenses were detected in source scan.

```
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.EndpointLoadMetricStats> getLoadMetricStatsList()
{
if (!getLoadMetricStatsList()
.equals(other.getLoadMetricStatsList())) return false;
hash = (53 * hash) + getLoadMetricStatsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.EndpointLoadMetricStats> getLoadMetricStatsList()
{
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/UpstreamEndpointStats.java
No license file was found, but licenses were detected in source scan.

```
getClusterStatsList();
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/service/load_stats/v3/LoadStatsRequestOrBuilder.java
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public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.UpstreamLocalityStats>
getUpstreamLocalityStatsList() {
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.ClusterStats.DroppedRequests>
getDroppedRequestsList() {
if (!getUpstreamLocalityStatsList()
.equals(other.getUpstreamLocalityStatsList())) return false;
if (!getDroppedRequestsList()
.equals(other.getDroppedRequestsList())) return false;
hash = (53 * hash) + getUpstreamLocalityStatsList().hashCode();
hash = (53 * hash) + getDroppedRequestsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.UpstreamLocalityStats>
getUpstreamLocalityStatsList() {
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.ClusterStats.DroppedRequests>
getDroppedRequestsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/ClusterStats.java
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getSourcePortsList() {
if (getSourcePortsList().size() > 0) {
if (!getSourcePortsList().isEmpty()) {
if (!getSourcePortsList()
.equals(other.getSourcePortsList())) return false;
hash = (53 * hash) + getSourcePortsList().hashCode();
getSourcePortsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/listener/v3/FilterChainMatch.java
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com.google.protobuf.Duration getSlowStartWindow();
com.google.protobuf.DurationOrBuilder getSlowStartWindowOrBuilder();

Found in path(s):
* /grpc-xds-1-73-0-sources-
jar/io/envoyproxy/envoy/extensions/load_balancing_policies/common/v3/SlowStartConfigOrBuilder.java
No license file was found, but licenses were detected in source scan.

getConstraintsList();
public java.util.List<io.envoyproxy.envoy.service.discovery.v3.DynamicParameterConstraints> getConstraintsList()
{
if (!getConstraintsList()
.equals(other.getConstraintsList())) return false;

hash = (53 * hash) + getConstraintsList().hashCode();
public java.util.List<io.envoyproxy.envoy.service.discovery.v3.DynamicParameterConstraints> getConstraintsList()
{

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/service/discovery/v3/DynamicParameterConstraints.java
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Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/FaultConfig.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/LeastRequestLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RouteLookupServiceClusterSpecifierPlugin.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/rbac/engine/GrpcAuthorizationEngine.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RoutingUtils.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterSpecifierPlugin.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RingHashOptions.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/FilterRegistry.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/GcpAuthenticationFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ConfigOrError.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RingHashLoadBalancer.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/BootstrapperImpl.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/ClusterSpecifierPluginRegistry.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/Stats.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/LeastRequestLoadBalancerProvider.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RbacFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XdsServerWrapper.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RouterFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RingHashLoadBalancerProvider.java
*
 /grpc-xds-1-73-0-sources-jar/io/grpc/xds/RbacConfig.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/Locality.java

* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/HttpConnectionManager.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/MatcherParser.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/InternalRbacFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/CsdsService.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/internal/Matchers.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/FaultFilter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/Filter.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/client/LoadStatsManager2.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/Endpoints.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/FilterChainMatchingProtocolNegotiators.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/VirtualHost.java
* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/FilterChainSelectorManager.java
No license file was found, but licenses were detected in source scan.

public java.util.List<io.envoyproxy.envoy.config.route.v3.VirtualHost> getVirtualHostsList() {
if (!getVirtualHostsList()
.equals(other.getVirtualHostsList())) return false;
hash = (53 * hash) + getVirtualHostsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.route.v3.VirtualHost> getVirtualHostsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/RouteConfiguration.java
No license file was found, but licenses were detected in source scan.

java.util.List<java.lang.Integer> getLineOffsetsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/dev/cel/expr/SourceInfoOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/com/google/api/expr/v1alpha1/SourceInfoOrBuilder.java
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getLbEndpointsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/LocalityLbEndpointsOrBuilder.java
No license file was found, but licenses were detected in source scan.

getStaticSecretsList();
getDynamicActiveSecretsList();
getDynamicWarmingSecretsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/admin/v3/SecretsConfigDumpOrBuilder.java
No license file was found, but licenses were detected in source scan.

getSecretsList();
public java.util.List<io.envoyproxy.envoy.extensions.transport_sockets.tls.v3.Secret> getSecretsList() {
if (!getSecretsList()

.equals(other.getSecretsList())) return false;
hash = (53 * hash) + getSecretsList().hashCode();
public java.util.List<io.envoyproxy.envoy.extensions.transport_sockets.tls.v3.Secret> getSecretsList() {

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/bootstrap/v3/Bootstrap.java
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* /grpc-xds-1-73-0-sources-jar/io/grpc/xds/XxHash64.java
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getLoadMetricStatsList();
getUpstreamEndpointStatsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/UpstreamLocalityStatsOrBuilder.java
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java.util.List<java.lang.Integer> getSourcePortsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/listener/v3/FilterChainMatchOrBuilder.java
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getVirtualHostsList();

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/route/v3/RouteConfigurationOrBuilder.java
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/**

```
 * <pre>
 * If true, the filter is disabled by default and must be explicitly enabled by setting
 * per filter configuration in the route configuration.
 * See :ref:`route based filter chain &amp;lt;arch_overview_http_filters_route_based_filter_chain&amp;gt;`
 * for more details.
 *
 * Terminal filters (e.g. ``envoy.filters.http.router``) cannot be marked as disabled.
 * </pre>
 *
 * <code>bool disabled = 7;</code>
 * @return The disabled.
 */
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/filters/network/http_connection_manager/v3/HttpFilterOrBuilder.java
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/extensions/filters/network/http_connection_manager/v3/HttpFilter.java
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```
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.EndpointLoadMetricStats> getLoadMetricStatsList()
{
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.UpstreamEndpointStats>
getUpstreamEndpointStatsList() {
if (!getLoadMetricStatsList()
.equals(other.getLoadMetricStatsList())) return false;
if (!getUpstreamEndpointStatsList()
.equals(other.getUpstreamEndpointStatsList())) return false;
hash = (53 * hash) + getLoadMetricStatsList().hashCode();
hash = (53 * hash) + getUpstreamEndpointStatsList().hashCode();
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.EndpointLoadMetricStats> getLoadMetricStatsList()
{
public java.util.List<io.envoyproxy.envoy.config.endpoint.v3.UpstreamEndpointStats>
getUpstreamEndpointStatsList() {
```

Found in path(s):
* /grpc-xds-1-73-0-sources-jar/io/envoyproxy/envoy/config/endpoint/v3/UpstreamLocalityStats.java

1.729 grpc-servlet-jakarta 1.73.0

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* /grpc-servlet-jakarta-1-73-0-sources-jar/io/grpc/servlet/jakarta/ServletAdapter.java
* /grpc-servlet-jakarta-1-73-0-sources-jar/io/grpc/servlet/jakarta/package-info.java
* /grpc-servlet-jakarta-1-73-0-sources-jar/io/grpc/servlet/jakarta/GrpcServlet.java
* /grpc-servlet-jakarta-1-73-0-sources-jar/io/grpc/servlet/jakarta/ServletServerStream.java
*
 /grpc-servlet-jakarta-1-73-0-sources-jar/io/grpc/servlet/jakarta/ServletServerBuilder.java

1.730 grpc-okhttp 1.73.0

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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/ExceptionHandlingFrameWriter.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/AsyncSink.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/ConnectionSpec.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/CipherSuite.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/Protocol.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/Credentials.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/TlsVersion.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/framed/Http2.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/proxy/Request.java
*
/grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/framed/HeadersMode.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/OptionalMethod.java
*
 /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/DistinguishedNameParser.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/internal/OkHostnameVerifier.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpServer.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/PlaintextHandshakerSocketFactory.java
*
 /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpServerStream.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpServerBuilder.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/HandshakerSocketFactory.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/TlsServerHandshakerSocketFactory.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/ForwardingFrameWriter.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpSettingsUtil.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpClientTransport.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/Utils.java
*
 /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OutboundFlowController.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpChannelBuilder.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpTlsUpgrader.java
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* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpChannelProvider.java
* /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/OkHttpProtocolNegotiator.java
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 /grpc-okhttp-1-73-0-sources-jar/io/grpc/okhttp/NegotiationType.java
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1.731 grpc-alts 1.73.0

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* /grpc-alts-1-73-0-sources-jar/io/grpc/alts/ComputeEngineChannelCredentials.java
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* /grpc-alts-1-73-0-sources-jar/io/grpc/alts/internal/RpcProtocolVersionsUtil.java
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* /grpc-alts-1-73-0-sources-jar/io/grpc/alts/internal/TsiPeer.java
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1.732 opentelemetry-sdk-extension-autoconfigure 1.49.0

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1.733 grpc-rls 1.73.0

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getTargetsList();

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getValidTargetsList() {
size += 1 * getValidTargetsList().size();
if (!getValidTargetsList()
.equals(other.getValidTargetsList())) return false;
hash = (53 * hash) + getValidTargetsList().hashCode();
getValidTargetsList() {

Found in path(s):
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getTargetsList() {
size += 1 * getTargetsList().size();
if (!getTargetsList()
.equals(other.getTargetsList())) return false;
hash = (53 * hash) + getTargetsList().hashCode();
getTargetsList() {

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Found in path(s):
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/SubchannelStateManager.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/CachingRlsLbClient.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/AdaptiveThrottler.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/RlsProtoData.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/Throttler.java
*
 /grpc-rls-1-73-0-sources-jar/io/grpc/rls/RlsLoadBalancerProvider.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/ResolvedAddressFactory.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/RlsRequestFactory.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/SubchannelStateManagerImpl.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/LinkedHashLruCache.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/ChildLoadBalancerHelper.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/RlsProtoConverters.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/ChildLbResolvedAddressFactory.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/LbPolicyConfiguration.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/RlsLoadBalancer.java
* /grpc-rls-1-73-0-sources-jar/io/grpc/rls/LruCache.java
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getValidTargetsList();

Found in path(s):
* /grpc-rls-1-73-0-sources-jar/io/grpc/lookup/v1/RouteLookupConfigOrBuilder.java

1.734 grpc-grpclb 1.73.0

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* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbClientLoadRecorder.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/BackendAddressGroup.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/DropType.java

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* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbNameResolver.java
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* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/SubchannelPool.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbLoadBalancerProvider.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/CachedSubchannelPool.java
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* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/TokenAttachingTracerFactory.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbConfig.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/SecretGrpclbNameResolverProvider.java
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* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbConstants.java
* /grpc-grpclb-1-73-0-sources-jar/io/grpc/grpclb/GrpclbLoadBalancer.java

1.735 grpc-all 1.73.0

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*/

Found in path(s):
* /grpc-opentelemetry-1-73-0-sources-jar/io/grpc/opentelemetry/OpenTelemetryMetricsResource.java
* /grpc-opentelemetry-1-73-0-sources-jar/io/grpc/opentelemetry/internal/OpenTelemetryConstants.java
* /grpc-opentelemetry-1-73-0-sources-jar/io/grpc/opentelemetry/GrpcOpenTelemetry.java

* /grpc-opentelemetry-1-73-0-sources-jar/io/grpc/opentelemetry/OpenTelemetryMetricsModule.java

1.737 grpc-servlet 1.73.0

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Found in path(s):
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/ServletServerBuilder.java
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/ServletAdapter.java
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/package-info.java
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/GrpcServlet.java
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/ServletServerStream.java

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```

Found in path(s):
* /grpc-servlet-1-73-0-sources-jar/io/grpc/servlet/AsyncServletOutputStreamWriter.java

1.738 pgv-java-grpc 0.10.1

1.738.1 Available under license :

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1.739 pgv-java-stub 0.10.1

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1.740 spring-messaging 6.2.9

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Found in path(s):
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/DestinationVariableArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompClientSupport.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessageHeaders.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessageSendingOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/ReactorNettyTcpStompClient.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/SimpSubscription.java
* /spring-messaging-6-2-9-sources-

jar/org/springframework/messaging/rsocket/annotation/support/RSocketMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompHeaders.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/ReconnectStrategy.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/MetadataExtractorRegistryExtensions.kt
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/MetadataExtractorRegistry.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpAttributes.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessagingTemplate.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/broker/BrokerAvailabilityEvent.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/service/RSocketServiceProxyFactory.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/tcp/reactor/ReactorNetty2TcpConnection.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/core/BeanFactoryMessageChannelDestinationResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/stomp/StompSessionHandlerAdapter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/HeaderMapper.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/HeadersMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/DefaultRSocketRequesterBuilder.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompHeaderAccessor.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/SendTo.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/reactive/ArgumentResolverConfigurer.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/SimpUserRegistry.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/ListenableFutureReturnValueHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/annotation/support/MessagingRSocket.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/InterceptableChannel.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/BufferingStompDecoder.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/SimpleMessageConverter.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/annotation/support/RSocketRequesterMethodArgumentResolver.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/annotation/SubscribeMapping.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/DefaultMessageHandlerMethodFactory.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/service/RSocketServiceArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/UserDestinationResolver.java
* /spring-messaging-6-2-9-sources-

jar/org/springframework/messaging/handler/invocation/reactive/SyncHandlerMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/reactive/PayloadMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/MessageMapping.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/support/AbstractNamedValueMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/broker/SimpleBrokerMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/ExecutorChannelInterceptor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/AbstractHeaderMapper.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/DefaultRSocketStrategies.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/ConnectionLostException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/CachingDestinationResolverProxy.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/RSocketExchangeReflectiveProcessor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/ReactiveReturnValueHandler.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompTcpMessageCodec.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/MessageReceivingOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/MessageSendingOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/AbstractMessageReceivingTemplate.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/ProtobufMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompSessionHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompDecoder.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/TcpConnection.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/MultiServerUserRegistry.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessagingException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/reactive/DestinationVariableMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/RSocketExchange.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/annotation/support/SubscriptionMethodReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/broker/AbstractBrokerMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/config/SimpleBrokerRegistration.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/AbstractMessagingTemplate.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/FixedIntervalReconnectStrategy.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/DestinationPatternsMessageCondition.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/MetadataExtractor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/ByteArrayMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompSession.java

* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/CompositeMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/reactor/TcpMessageCodec.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/MessageMappingReflectiveProcessor.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/reactive/ReturnValueHandlerConfigurer.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/Headers.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/AbstractMessageSendingTemplate.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/DestinationVariable.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/broker/DefaultSubscriptionRegistry.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/SimpSession.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/RSocketStrategies.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/GsonMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/DefaultStompSession.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessageHandlingException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/RSocketServiceMethod.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/user/DestinationUserNameProvider.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNetty2TcpClient.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessageChannel.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/HeaderMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolverComposite.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/RSocketConnectorConfigurer.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/GenericMessage.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/MetadataEncoder.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/user/UserRegistryMessageHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/AbstractMethodMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/TcpOperations.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessageHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/reactive/ChannelSendOperator.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/SubscribableChannel.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/reactive/AbstractNamedValueMethodArgumentResolver.jav
a
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/RSocketRequestValues.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/broker/OrderedMessageChannelDecorator.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/ReactiveMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/MessageCondition.java

* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpLogging.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/reactive/ContinuationHandlerMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/ErrorMessage.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/AbstractMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/JsonbMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodArgumentResolverComposite.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessageTypeMessageCondition.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/KotlinSerializationJsonMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/DestinationResolutionException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/InvocableHandlerMethod.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/InvocableHandlerMethod.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/UserDestinationResult.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/DefaultMetadataExtractor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/AbstractMessageCondition.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/support/MessageMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/AbstractAsyncReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/reactive/HeadersMethodArgumentResolver.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/annotation/support/PrincipalMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/config/AbstractBrokerRegistration.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/MessageHeaderInitializer.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodReturnValueHandlerComposite.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/PollableChannel.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/ExecutorSubscribableChannel.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/AbstractMessageChannel.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/support/PayloadMethodArgumentResolver.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/service/MetadataArgumentResolver.java

* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessageMappingInfo.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/annotation/support/SendToMethodReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/RSocketRequesterExtensions.kt
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/ContentTypeResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/DefaultRSocketRequester.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/MessageBuilder.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/DefaultUserDestinationResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/NativeMessageHeaderAccessor.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/DestinationResolvingMessageSendingOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompTcpConnectionHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/MessagingAdviceBean.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/config/MessageBrokerRegistry.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/MessageHandlingRunnable.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/AbstractSubscribableChannel.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/config/ChannelRegistration.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/CompletableFutureReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandlerComposite.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/Message.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/DestinationResolvingMessageRequestReplyOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNettyCodec.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/annotation/support/RSocketFrameTypeMessageCondition.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/support/MethodArgumentNotValidException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/RSocketRequester.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/annotation/ConnectMapping.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/MessageHeaderAccessor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/broker/AbstractSubscriptionRegistry.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/HandlerMethodReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/GenericMessagingTemplate.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompCommand.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/reactive/AbstractEncoderMethodReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/annotation/SendToUser.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/TcpConnectionHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/DestinationResolver.java

* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/ChannelInterceptor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/CompositeMessageCondition.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessageHeaderAccessor.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/reactive/MessageMappingMessageHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/annotation/support/RSocketPayloadReturnValueHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/MethodArgumentTypeMismatchException.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/core/DestinationResolvingMessageReceivingOperations.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/service/RSocketExchangeBeanRegistrationAotProcessor.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpConnection.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/ValueConstants.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/SmartMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpMessageType.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpClient.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/rsocket/service/PayloadArgumentResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpSessionScope.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/user/UserDestinationMessageHandler.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/invocation/reactive/InvocableHelper.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/MessagePostProcessor.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/reactive/HeaderMethodArgumentResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/converter/MessageConversionException.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/handler/annotation/support/AnnotationExceptionHandlerMethodResolver.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/annotation/support/MissingSessionUserException.java
* /spring-messaging-6-2-9-sources-
jar/org/springframework/messaging/simp/annotation/support/SimpAnnotationMethodMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/MessageDeliveryException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/Payload.java
*

/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/config/AbstractMessageBrokerConfiguration.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/tcp/reactor/AbstractNioBufferReactorNettyCodec.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/MethodArgumentResolutionException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/MessageExceptionHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompConversionException.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/StringMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/ImmutableMessageChannelInterceptor.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompReactorNettyCodec.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/SimpAttributesContextHolder.java
*
/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/ConnectionHandlingStompSession.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/rsocket/PayloadUtils.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/AbstractExceptionHandlerMethodResolver.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompBrokerRelayMessageHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/AsyncHandlerMethodReturnValueHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/HandlerMethod.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/broker/SubscriptionRegistry.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/MappingJackson2MessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/user/SimpUser.java
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/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/GenericMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/annotation/Header.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/AbstractJsonMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/ProtobufJsonFormatMessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/support/IdTimestampMessageHeaderInitializer.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/AbstractDestinationResolvingMessagingTemplate.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandler.java
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* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/DefaultContentTypeResolver.java
*

/spring-messaging-6-2-9-sources-jar/org/springframework/messaging/simp/stomp/StompFrameHandler.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/MessageConverter.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/core/MessageRequestReplyOperations.java
* /spring-messaging-6-2-9-sources-jar/org/springframework/messaging/converter/MarshallingMessageConverter.java
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*/
/**
  * Set the max pool size of the ThreadPoolExecutor.
  * <p><strong>NOTE:</strong> When an unbounded
  * {@link #queueCapacity(int) queueCapacity} is configured (the default), the
  * max pool size is effectively ignored. See the "Unbounded queues" strategy
  * in {@link java.util.concurrent.ThreadPoolExecutor
 ThreadPoolExecutor} for
  * more details.
  * <p>By default this is set to {@code Integer.MAX_VALUE}.
  */
```

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1.741 netty-transport-udt 4.1.123.Final

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* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
*
/netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/UdtChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java
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* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/DefaultUdtChannelConfig.java
*
 /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/package-info.java
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* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/UdtChannelOption.java
* /netty-transport-udt-4-1-123-final-sources-jar/io/netty/channel/udt/DefaultUdtServerChannelConfig.java

1.742 netty-transport-sctp 4.1.123.Final

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* /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/handler/codec/sctp/SctpOutboundByteStreamHandler.java
*
 /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/channel/sctp/oio/OioSctpServerChannel.java
* /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/channel/sctp/nio/package-info.java
* /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/channel/sctp/oio/OioSctpChannel.java
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* /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java
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* /netty-transport-sctp-4-1-123-final-sources-jar/com/sun/nio/sctp/Notification.java
* /netty-transport-sctp-4-1-123-final-sources-jar/com/sun/nio/sctp/SendFailedNotification.java
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 /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java
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* /netty-transport-sctp-4-1-123-final-sources-jar/io/netty/channel/sctp/SctpChannel.java
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1.743 netty-codec-haproxy 4.1.123.Final

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* /netty-codec-haproxy-4-1-123-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyProxiedProtocol.java
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1.744 netty-codec-redis 4.1.123.Final

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* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java

*
/netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/package-info.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisDecoder.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisConstants.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisMessagePool.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java
*
/netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/RedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/ErrorRedisMessage.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java
* /netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java
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/netty-codec-redis-4-1-123-final-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
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1.745 netty-codec-smtp 4.1.123.Final

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* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequest.java
*
/netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequests.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpUtils.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponse.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/LastSmtpContent.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/package-info.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpContent.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpCommand.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
* /netty-codec-smtp-4-1-123-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequestEncoder.java

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1.746 netty-transport-rxtx 4.1.123.Final

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* /netty-transport-rxtx-4-1-123-final-sources-jar/io/netty/channel/rxtx/RxtxChannelOption.java
* /netty-transport-rxtx-4-1-123-final-sources-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java
*
/netty-transport-rxtx-4-1-123-final-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java
* /netty-transport-rxtx-4-1-123-final-sources-jar/io/netty/channel/rxtx/package-info.java
* /netty-transport-rxtx-4-1-123-final-sources-jar/io/netty/channel/rxtx/RxtxChannelConfig.java

1.747 netty-handler-ssl-ocsp 4.1.123.Final

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* /netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/IoTransport.java
* /netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/OcspResponse.java
*
/netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
* /netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/OcspServerCertificateValidator.java
* /netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/OcspValidationEvent.java
* /netty-handler-ssl-ocsp-4-1-123-final-sources-jar/io/netty/handler/ssl/ocsp/OcspHttpHandler.java

1.748 netty-codec-memcache 4.1.123.Final

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* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectAggregator.java
*
 /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestDecoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheMessage.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectDecoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseEncoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseStatus.java
*
 /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectEncoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/LastMemcacheContent.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/MemcacheObject.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/package-info.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObject.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java

* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/MemcacheContent.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java
*
 /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseDecoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheResponse.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestEncoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheEncoder.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/MemcacheMessage.java
*
 /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/DefaultMemcacheContent.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpcodes.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/FullMemcacheMessage.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheRequest.java
* /netty-codec-memcache-4-1-123-final-sources-jar/io/netty/handler/codec/memcache/binary/package-info.java

1.749 netty-codec-mqtt 4.1.123.Final

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* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckPayload.java
*
 /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttVersion.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttEncoder.java
* /netty-codec-mqtt-4-1-123-final-sources-
jar/io/netty/handler/codec/mqtt/MqttUnacceptableProtocolVersionException.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttFixedHeader.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttPublishVariableHeader.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessage.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttPublishMessage.java
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* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageIdVariableHeader.java
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* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttTopicSubscription.java
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* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckPayload.java
* /netty-codec-mqtt-4-1-123-final-sources-
jar/io/netty/handler/codec/mqtt/MqttPubReplyMessageVariableHeader.java
*
 /netty-codec-mqtt-4-1-123-final-sources-
jar/io/netty/handler/codec/mqtt/MqttReasonCodeAndPropertiesVariableHeader.java

* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscriptionOption.java
* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageIdAndPropertiesVariableHeader.java
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* /netty-codec-mqtt-4-1-123-final-sources-jar/io/netty/handler/codec/mqtt/package-info.java

1.750 netty-codec-stomp 4.1.123.Final

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* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompConstants.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java
*
 /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/package-info.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompFrame.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompHeaders.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-
jar/io/netty/handler/codec/stomp/DefaultLastStompContentSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompFrame.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompContentSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeAggregator.java
*
 /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java
* /netty-codec-stomp-4-1-123-final-sources-jar/io/netty/handler/codec/stomp/StompCommand.java

1.751 netty-codec-xml 4.1.123.Final

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* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlDocumentEnd.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlDecoder.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlNamespace.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlCdata.java
*
 /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlSpace.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlElement.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlDocumentStart.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlEntityReference.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlElementStart.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlDTD.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlComment.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlContent.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java
*
 /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlAttribute.java
* /netty-codec-xml-4-1-123-final-sources-jar/io/netty/handler/codec/xml/XmlCharacters.java
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1.752 python-pip 25.2

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A. HISTORY OF THE SOFTWARE
==========

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

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

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

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)

2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,

because its license has a choice of law clause. According to
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Thanks to the many outside volunteers who have worked under Guido's
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https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
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1.753 github.com/google/uuid 1.3.0

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1.754 openssl 3.5.1

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1.755 python-certifi 2025.8.3

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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
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an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.756 python-certifi 2025.08.03

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ca-bundle.crt -- Bundle of CA Root Certificates

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.757 ssl-client 1.37.0-r19

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Found in path(s):
* /aports-3-22-stable-main-busybox-zip/aports-3.22-stable-main-busybox/main/busybox/0024-umount-Implement-O-option-to-unmount-by-mount-option.patch
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/*
* depmod - generate modules.dep
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```
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*
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@@ -25,6 +25,24 @@
#include "modutils.h"
#include <sys/utsname.h> /* uname() */

+#define INDEX_MINCHAR 32
+#define INDEX_MAXCHAR 128
+
+typedef struct index_node {
+ char *prefix;
+ llist_t *values;
+ struct index_node *children[INDEX_MAXCHAR-INDEX_MINCHAR];
+} index_node;
+
+struct globals {
+ module_db db;
+ index_node *root_node;
+} FIX_ALIASING;
+#define G (*ptr_to_globals)
+#define INIT_G() do { \
+ SET_PTR_TO_GLOBALS(xzalloc(sizeof(G))); \
+} while (0)
+
/*
* Theory of operation:
* - iterate over all modules and record their full path
@@ -53,18 +71,12 @@ static int FAST_FUNC parse_module(struct recursive_state
 *state,

for (ptr = image; ptr < image + len - 10; ptr++) {
if (is_prefixed_with(ptr, "depends=")) {
-   char *u;
-
ptr += 8;
-   for (u = ptr; *u; u++)
-    if (*u == '-')
-     *u = '_';
-   ptr += string_to_llist(ptr, &e->deps, ",");
+   string_to_llist(replace_underscores(ptr), &e->deps, ",");
} else if (ENABLE_FEATURE_MODUTILS_ALIAS
&& is_prefixed_with(ptr, "alias=")
) {
-   llist_add_to(&e->aliases, xstrdup(ptr + 6));
-   ptr += strlen(ptr);
+   llist_add_to(&e->aliases, replace_underscores(xstrdup(ptr + 6)));
```

```
} else if (ENABLE_FEATURE_MODUTILS_SYMBOLS
&& is_prefixed_with(ptr, "__ksymtab_")
) {
@@ -74,9 +86,10 @@ static int FAST_FUNC parse_module(struct recursive_state *state,
) {
continue;
}
-   llist_add_to(&e->symbols, xstrdup(ptr));
-   ptr += strlen(ptr);
-  }
+   llist_add_to(&e->symbols, xasprintf("symbol:%s", ptr));
+  } else
+   continue;
+  ptr += strlen(ptr);
}
free(image);

@@ -108,12 +121,6 @@ static void order_dep_list(module_db *modules, module_entry *start, llist_t
 *add
}
}

-static void xfreopen_write(const char *file, FILE *f)
-{
- if (freopen(file, "w", f) == NULL)
-  bb_perror_msg_and_die("can't open '%s'", file);
-}
-
//usage:#if !ENABLE_MODPROBE_SMALL
//usage:#define depmod_trivial_usage "[-n] [-b BASE] [VERSION] [MODFILES]..."
//usage:#define depmod_full_usage "\n\n"
@@ -167,6 +174,169 @@ enum {
OPT_C = (1 << 9), /* -C,--config etc_modules_conf: ignored */
```

Found in path(s):
* /aports-3-22-stable-main-busybox-zip/aports-3.22-stable-main-busybox/main/busybox/0018-depmod-support-generating-kmod-binary-index-files.patch
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*/
```

Found in path(s):
* /aports-3-22-stable-main-busybox-zip/aports-3.22-stable-main-busybox/main/busybox/bbsuid.c

1.758 openssl 3.5.2

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1.759 cryptography 45.0.6

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1.760 golang 1.24.6

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package copyright

import (
 "bytes"
 "internal/testenv"
 "io"
 "io/fs"
 "os"
 "path/filepath"
 "testing"
)

var copyright = []byte("Copyright")

var permitted = [][]byte{
 []byte("// Code generated by "),
 []byte("// Code generated from "),
 []byte("// Created by cgo -cdefs"),
 []byte("// DO NOT EDIT\n// generated by:"),
 []byte("// Empty assembly file"),
 []byte("// Generated using cgo"),
```

```
 []byte("// Original source:\n//\thttp://www.zorinaq.com/papers/md5-amd64.html"), // public domain crypto/md5
 []byte("// created by cgo -cdefs"),
 []byte("// go run mkasm.go"),
 []byte("// mkerrors"),
 []byte("// mksys"),
 []byte("// run\n// Code generated by"), // cmd/compile/internal/test/constFold_test.go
}

func TestCopyright(t *testing.T) {
 buf := make([]byte, 2048)
 filepath.WalkDir(filepath.Join(testenv.GOROOT(t), "src"), func(path string,
 d fs.DirEntry, err error) error {
  if d.IsDir() && (d.Name() == "testdata" || d.Name() == "vendor") {
   return filepath.SkipDir
  }
  switch filepath.Ext(d.Name()) {
  default:
   return nil
  case ".s", ".go":
   // check
  }

  f, err := os.Open(path)
  if err != nil {
   t.Error(err)
   return nil
  }
  defer f.Close()
  n, err := f.Read(buf)
  if err != nil && err != io.EOF {
   t.Error(err)
   return nil
  }
  b := buf[:n]
  if bytes.Contains(b, copyright) {
   return nil
  }
  for _, ok := range permitted {
   if bytes.HasPrefix(b, ok) {
    return nil
   }
  }
  t.Errorf("%s: missing copyright notice", path)
  return nil
 })
}
```

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1.761 stdlib go1.24.6

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```
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package copyright

import (
 "bytes"
 "internal/testenv"
 "io"
 "io/fs"
 "os"
 "path/filepath"
 "testing"
)

var copyright = []byte("Copyright")

var permitted = [][]byte{
 []byte("// Code generated by "),
 []byte("// Code generated from "),
 []byte("// Created by cgo -cdefs"),
 []byte("// DO NOT EDIT\n// generated by:"),
 []byte("// Empty assembly file"),
 []byte("// Generated using cgo"),
 []byte("// Original source:\n//\thttp://www.zorinaq.com/papers/md5-amd64.html"), // public domain crypto/md5
 []byte("// created by cgo -cdefs"),
 []byte("// go run mkasm.go"),
 []byte("// mkerrors"),
 []byte("// mksys"),
 []byte("// run\n// Code generated by"), // cmd/compile/internal/test/constFold_test.go
}

func TestCopyright(t *testing.T) {
 buf := make([]byte, 2048)
 filepath.WalkDir(filepath.Join(testenv.GOROOT(t), "src"), func(path string,
 d fs.DirEntry, err error) error {
  if d.IsDir() && (d.Name() == "testdata" || d.Name() == "vendor") {
   return filepath.SkipDir
```

```
 }
 switch filepath.Ext(d.Name()) {
 default:
  return nil
 case ".s", ".go":
  // check
 }

 f, err := os.Open(path)
 if err != nil {
  t.Error(err)
  return nil
 }
 defer f.Close()
 n, err := f.Read(buf)
 if err != nil && err != io.EOF {
  t.Error(err)
  return nil
 }
 b := buf[:n]
 if bytes.Contains(b, copyright) {
  return nil
 }
 for _, ok := range permitted {
  if bytes.HasPrefix(b, ok) {
   return nil
  }
 }
 t.Errorf("%s: missing copyright notice", path)
 return nil
 })
}
```

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